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62-7

# Star Brand Seeds • 1939

## Over 40 Years Satisfaction



**SPRINGFIELD SEED CO.**

MISSOURI PERMIT No. 1

**SPRINGFIELD  
MISSOURI**

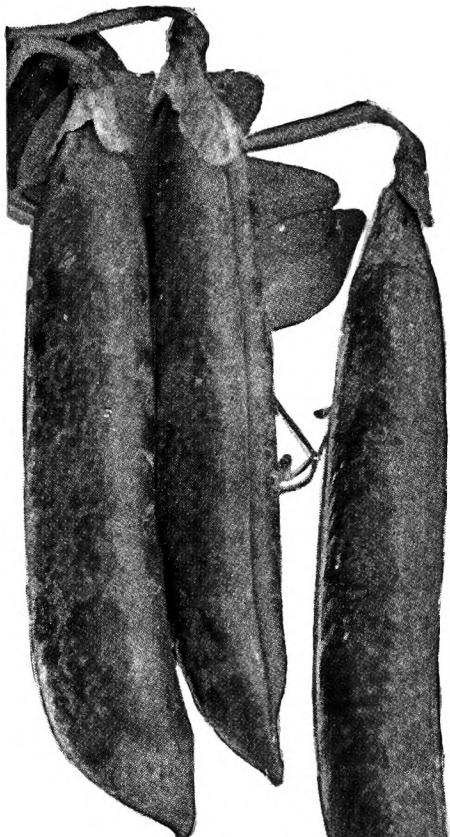
# Selected Varieties for your home garden



## TOMATO

### Star Marglobe

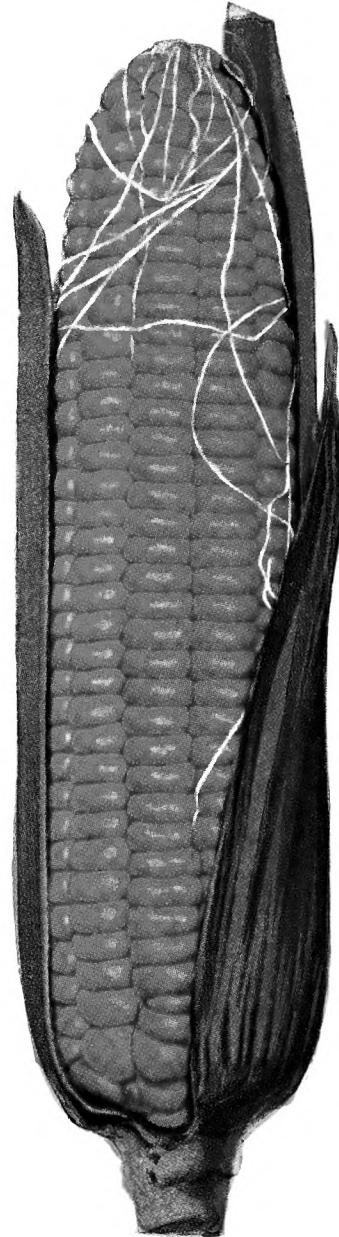
Fruits uniform deep scarlet; large; uniformly globe-shaped; smooth, solid and of finest quality. Pkt. 10c.



## PEAS

### Alaska

Very early, smooth, blue Pea. Height 2½ feet. Light green pods, 2½ inches long. Pkt. 10c.



## GOLDEN CROSS BANTAM

A wonderful new Sweet Corn. An improvement over Golden Bantam. A week later, but ears are much larger and longer. Produces almost twice the yield. Pkt. 15c; lb. 50c.



## CHINESE CABBAGE

### Chihihi

The taller of two popular types. Heads 18 inches to 20 inches, 4 inches to 5 inches at base tapering to tip. The outer leaves dark green, inner white, tender and sweet. Pkt. 10c.



## SPINACH

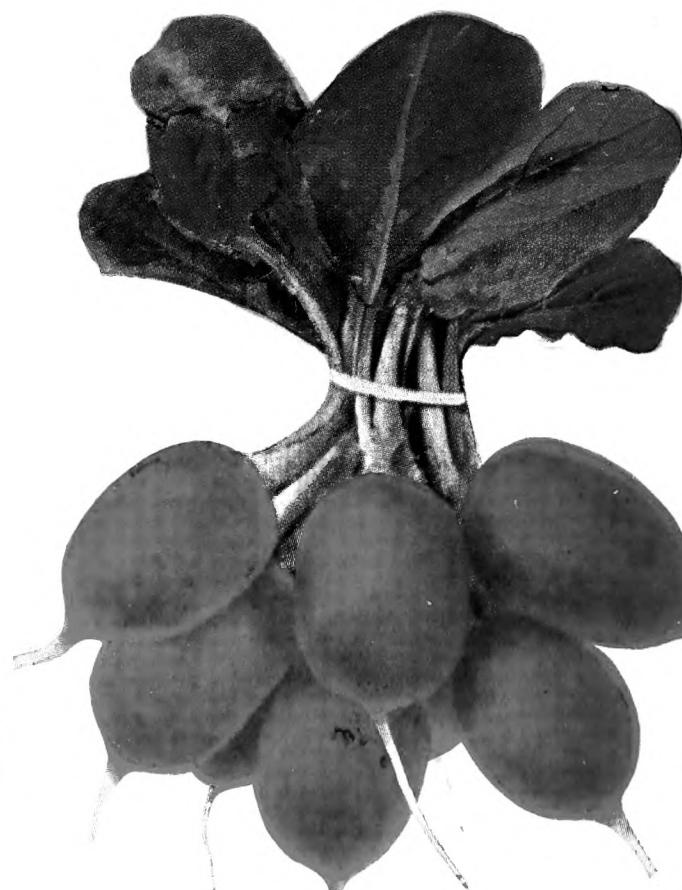
Bloomsdale Long Standing. 39 days. Pkt. 5c.

## CARROTS

### New

### Bunching

Tops short, roots are 1¼ to 1½ by 8 inches in size, almost cylindrical, rounded shoulders; and are well stumped. Developed for market gardeners as a bunching Carrot. Good shipper. Pkt. 5c; oz. 10c.



## RADISH

Vick's Scarlet Globe 22 days. It is one of the very earliest. Pkt., 5c.

# 43 YEARS!

1896 — 1939

## Seed Satisfaction

is what you purchase with your order of Star Brand Seed, whether your order be for a few small packets of Flower or Garden Seed or large quantities of farm or field seeds. Our many years' experience in purchasing, refining and packing field, flower and garden seed assures you of an utmost seed value and satisfaction. Our modern Floral Department with membership in the Florist Telegraph Delivery Association assures you also of the most in Floral values, either in Springfield and surrounding territory, or in any city in the world.



Store and Floral Department  
Corner Campbell and Walnut Sts.



Our Main Plant, housing our General Offices, Cleaning Department, Laboratory and Warehouse, 315-17-19 North Main Street.

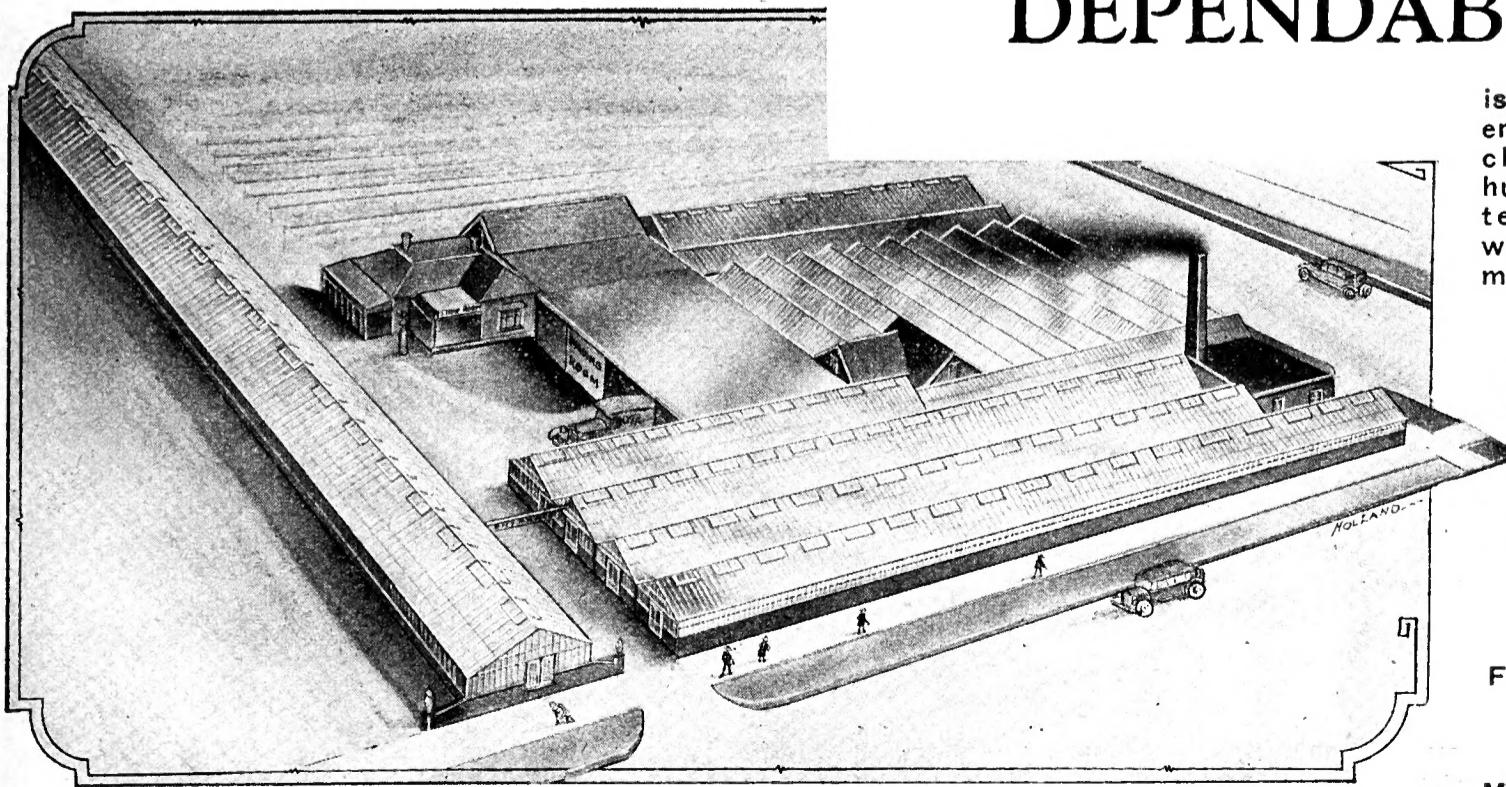
## QUALITY!

is what this modern plant assures you when you purchase Star Brand Seed.

Complete, modern, fully equipped seed testing laboratory is maintained here.

## DEPENDABILITY!

is what this modern Greenhouse checks by making hundreds of soil tests annually, as well as growing to maturity many new varieties each year.



Our Greenhouses where soil tests are made and many new varieties are grown.



Flowers Delivered  
Anywhere  
100% Value  
Guaranteed  
May we serve and  
please you?



## MAKE YOUR GARDEN WORK THE YEAR AROUND

For Best Results Plant STAR BRAND SEED

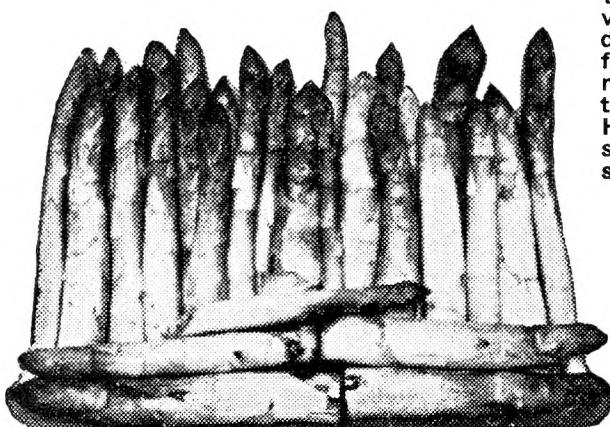
Many people think that seeds cannot be planted any other time than in April and May. This is far from true. The wide-awake gardener begins sowing as early in the spring as possible and sows succession crops throughout the summer and until late in the fall. Succession crops are most important, since they provide fresh vegetables for fall and winter use. A cellar full of stored vegetables is a good investment. Grow all the vegetables your garden can produce. Eat them fresh, evaporate them, can them, store them, and be independent of high food prices.

### ASPARAGUS

Pkt.	Oz.	1/4 Lb.
5c	15c	30c

**CULTURE**—Asparagus, which is one of our earliest spring vegetables, is also one of the most widely appreciated and extensively cultivated. Can be grown in any soil which is not too wet. Seed should be sown in March or April, in rows 14 inches apart, and lightly covered with a layer of soil  $\frac{1}{2}$  to  $\frac{3}{4}$  inches deep. When the seed is up they should be thinned out.

Prepare permanent bed by digging a trench 18 inches wide and 20 inches deep. Fill one-third full with well rotted manure and tramp it down. Half fill remaining space with good soil, and set the root clumps of the Asparagus, one foot apart. Cover roots to surface with good soil. The stalks should not be cut until a year after planting and then but lightly. Full harvest may be taken after this.



Martha Washington

**WASHINGTON.** A vigorous growing and very productive variety which has been bred to resist the disease known as "Asparagus Rust." The shoots are thick and heavy. They are long and straight, with closely folded tips. The color is rich dark green, tinted darker at the tips.

**PALMETTO.** Of very large size, even and regular in growth and appearance. A very early sort immensely productive and of the best quality.

### ASPARAGUS ROOTS

1 year old. We can furnish Washington roots at 25c per dozen; \$1.25 per 100.

### BRUSSELS SPROUTS

One of the most delicious garden vegetables. Plant in 3-foot rows,  $1\frac{1}{2}$  to 2 feet apart. One ounce will produce about 200 plants. Cultivate same as cabbage. Autumn grown sprouts, drilled in May and transplanted in July, generally do the best, as the plants are quite hardy and the buds mellow under frost.

**DWARF IMPROVED.** A variety producing compact sprouts of excellent quality. Pkt., 5c; oz., 25c.

### BROCCOLI

**ITALIAN GREEN SPROUTING.** A distinct variety for the home garden. Plant forms a central head, fairly compact cluster of flower buds resembling cauliflower except that it is green in color. Center head can be cut about sixty days after planting and smaller heads on side branches throughout the summer. Delicious and healthful. Pkt., 5c;  $\frac{1}{2}$  oz., 25c; 1 oz., 40c; 1 lb., \$3.50.

ALL GARDEN SEED POSTPAID.

SEE PAGE 12 FOR COMPLETE GARDEN SEED LIST.

### GREEN PODDED BUSH BEANS

Pkt.	Lb.	5 Lbs.
10c	25c	\$1.10

**CULTURE**—Beans are sensitive to both cold and wet, so do not plant till the ground is warm. To have a continuous supply plant every two weeks from the time the ground gets warm till the middle of August; further south they may be planted even later. Make the rows 2 and 3 feet apart, drop the beans 3 inches apart and cover  $1\frac{1}{2}$  to 2 inches deep. Give frequent but shallow cultivation up to blooming time, not afterward, and never when the plants are wet. Plant in a light loamy soil that warms up quickly. One pound plants 60 feet; 100 pounds will plant an acre.

**LANDRETH'S STRINGLESS.** 53 Days. 6 in., slightly curved, round, dark green fleshy pods, stringless, seeds brown.

**BOUNTIFUL.** Six Weeks, 50 Days. 3-in. straight broad flat light green pod, stringless.

**BURPEE'S STRINGLESS.** 55 Days. 5-in. curved round green fleshy pod, stringless.

**DWARF HORTICULTURE.** 55 Days. 5 $\frac{1}{2}$ -in. broad flat green pod streaked with red, stringless.

**FULL MEASURE.** 54 Days. 6-in. fairly straight dark green round pod, stringless.

**GIANT STRINGLESS.** 54 Days. 6-in. round fairly straight light green pod, stringless.

**RED VALENTINE.** 54 Days. 6-in. fairly straight green pod, strings.

**RED KIDNEY.** 95 Days. 5-in. broad flat green pod, strings.

**REFUGEE,** 1000 to 1. 80 Days. 5 $\frac{1}{2}$ -in. slightly curved round light green pod, strings.

**REFUGEE STRINGLESS.** 68 Days. 5 $\frac{1}{2}$ -in. round slightly curved light green pod, stringless.

**TENNESSEE GREEN POD.** 52 Days. 8-in. flat very broad dark green pod, strings.

**BEANS—BUSH LIMA**

**BURPEE'S.** 77 Days. Strong vigorous pods, beans medium size.

**FORDHOOKS.** 75 Days. Erect heavy producing vine. Pods 4 to  $4\frac{1}{2}$  inches long.

**HENDERSON.** 65 Days. Medium height, compact vine. 3-in. pod, small seeded.

**SPECKLED.** 65 Days. Very prolific and hardy. Plant resembles Henderson's.

### BEANS—POLE LIMA

**KING OF THE GARDEN.** 88 Days. Strong growing and large podded, 4 to 5 beans.

**LARGE WHITE.** 88 Days. An old standard sort. Vigorous, productive, 3 to 4 seeds.

**SIEVA (Carolina).** 77 Days. Early, hardy, productive and a continuous bearer. Very popular.

**SPECKLED.** 90 Days. A small seeded dependable prolific variety, popular.

## WAX BUSH BEANS

DAVIS KIDNEY WAX. 54 Days. 6½-in. Large flat yellow pods, strings.

GERMAN BLACK WAX. 54 Days. 6-in. Flat straight yellow pods, strings.

GOLDEN WAX. 48 Days. 4½-in. thick creamy pods, stringless.

KENTUCKY WONDER WAX (Pole). 68 Days. 8-in. large thick creamy pods, stringless.

PENCIL POD WAX. 58 Days. 6½-in. round curved yellow pods, stringless.

ROUND POD KIDNEY WAX. 53 Days. 6-in. round curved yellow pods, stringless.

WARDWELL'S KIDNEY WAX. 65 Days. 6½-in. flat straight deep yellow pods, stringless.



## BEANS—POLE or RUNNING

Pkt.	Lb.	5 Lbs.
10c	25c	\$1.10

KENTUCKY WONDER. 70 Days. 9-in. round curved pod, strings.

KENTUCKY WONDER (White). 70 Days. 7-in. round brittle pods, stringless.

KENTUCKY CUT SHORT. 72 Days. 4-in. straight flat pods, strings.

DUTCH CASE KNIFE. 65 Days. 8-in. straight flat pods, strings.

LAZY WIFE. 75 Days. 6-in. straight fleshy pods, stringless.

MISSOURI WONDER. 66 Days. 5-in. flat curved pods, productive, strings.

STRIPED CREASEBACK. 70 Days. 6½-in. straight round pods, strings.

WHITE CREASEBACK. 65 Days. 5½-in. round curved pods, nearly stringless.

ALL GARDEN SEED POSTPAID.  
SEE PAGE 12 FOR COMPLETE  
GARDEN SEED LIST.

## BEETS FOR THE TABLE

Pkt.	Oz.	¼ lb.
5c	10c	25c

CULTURE—Beets are sown where crop is to grow, in open ground, as soon as spring frosts are over, 1-inch deep in drills 12 to 15 inches apart, for convenience in hoeing; and young plants are thinned out, with a greater or less space between them, usually about 4 inches, according to size of variety grown. The thinnings from crop make excellent greens. They thrive in well enriched, moist soil, with plenty of sunshine. Growth will be greatly stimulated with a slight application of Nitrate of Soda.

### 50-55 DAYS

EARLY WONDER. Roots uniform, nearly globe shaped, with small top, skin dark red, flesh deep blood red. Popular with market gardeners for early or late planting.

DETROIT DARK RED. One of the very best sorts for home or market garden and for canning purposes. Roots uniformly smooth, of medium size, and globe shaped; skin dark red, flesh solid vermilion red.

EARLY BLOOD TURNIP, IMPROVED. The old standard table beet; roots nearly round or slightly flattened, bright red, zoned and of good quality. Not so early as Detroit, and with a larger, coarser top.

CROSBY'S EGYPTIAN. Splendid home and market garden sort. Tops medium in size; collar small. Root flattened globe-shaped, with small tap root; very dark purplish-red. Flesh deep purplish-red zoned with a lighter shade; crisp and tender.

EDMAND'S BLOOD TURNIP. A second early sort, with short tops; roots nearly round, dark red; flesh purplish red with little zoning; a good keeper.

SWISS CHARD, LUCULLUS. An improved type of Chard. Of more upright growth than the Silver variety; leaves yellowish-green, fairly crumpled, mid-rib and veins white; stalks thick, broad and flat and as large as rhubarb.

## MANGEL WURZEL and SUGAR BEETS

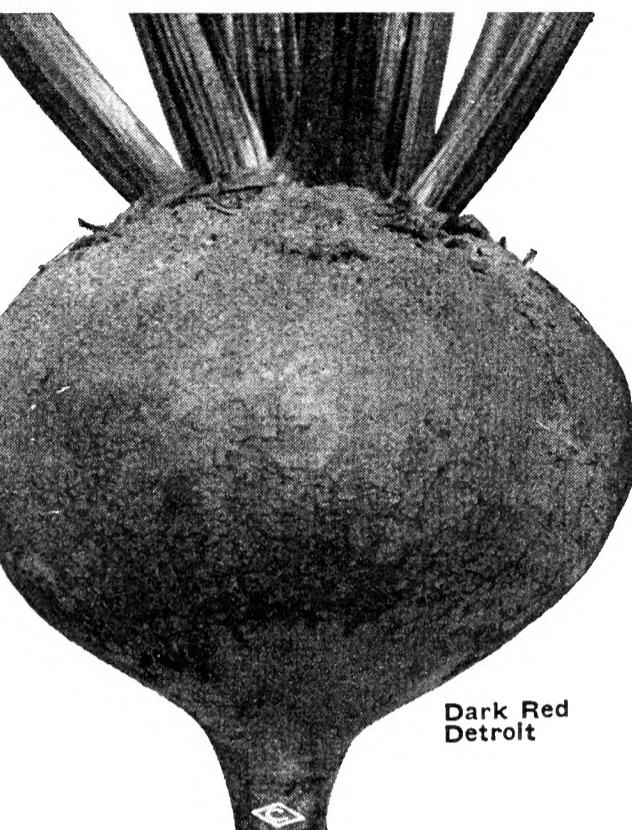
Pkt.	Oz.	¼ lb.
5c	10c	25c

Sugar Beets and Mangels are of great value for stock feeding, because of the improved health and condition of the animals, increased flow and quality of milk, and because of the saving in fodder. The yield is enormous, and the cost of growing is trifling. Grow a patch of them for winter feed. They are also excellent for poultry.

LONG RED MAMMOTH (Norbiton Giant). Attains enormous size; producing thirty to fifty tons to the acre. Root nearly cylindrical in shape, light red, growing well above ground; flesh white and rose colored.

GOLDEN TANKARD. Roots large, nearly cylindrical in shape, narrowing abruptly at both ends; skin deep orange-yellow; flesh zoned yellow and white; sweet and productive.

VILMORIN'S IMPROVED SUGAR. An improvement on the White French Sugar; used extensively for making beet sugar.



## SPECIAL OFFER

All 10c Pkts., 3 for.....	\$0.25
7 10c Pkts. for.....	.50
15 10c Pkts. for.....	1.00
All 5c Pkts., 6 for.....	.25

## BEETS ALL WINTER

Late sown Beets may readily be kept for winter use, if packed in a slightly moist soil or sand in a cool cellar. We recommend Detroit Dark Red for this purpose.

## CARROTS

Pkt.	Oz.	¼ lb.
5c	10c	25c

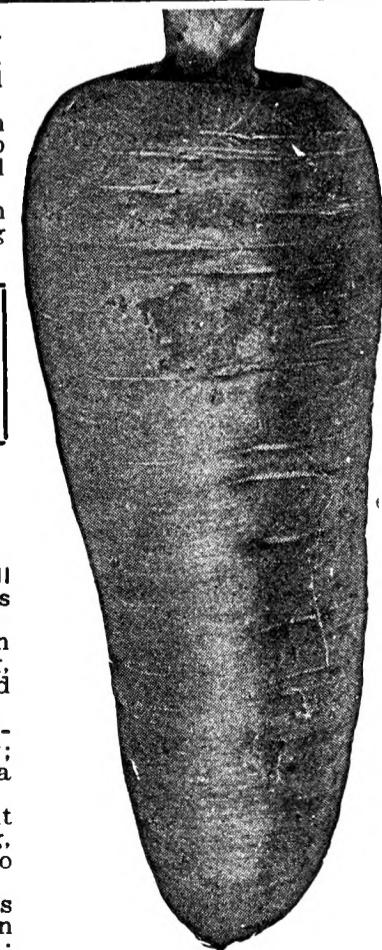
CULTURE—Plant seed one-half inch deep in loose, well prepared soil, in rows 16 inches apart. Thin 2 to 4 inches in row. Plant from early spring to mid-June.

DANVER'S HALF LONG. 75 Days. The best known second early, half-long sort; roots 6 to 8 inches long, tapering to a blunt point; flesh deep orange, tender and good quality.

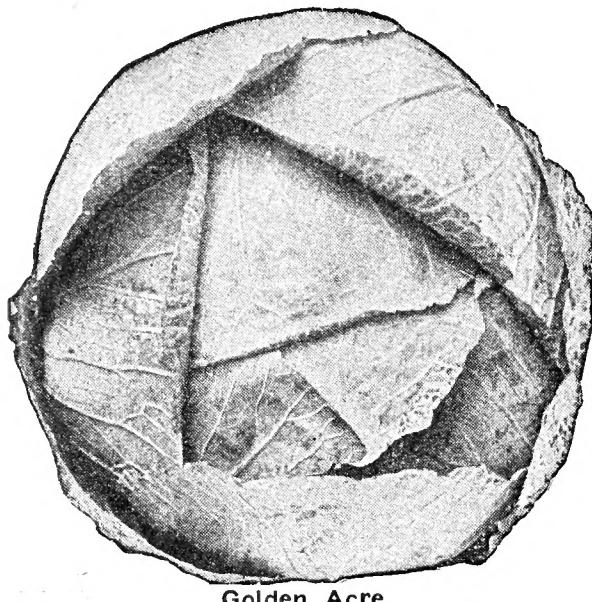
CHANTENAY HALF LONG (The Model). 72 Days. Excellent medium early half-long stump rooted variety; roots about 6 inches long, very thick, smooth and of a deep orange-red color.

IMPROVED LONG ORANGE. 88 Days. An excellent intermediate season, standard sort; roots 12 inches long, about 3 inches broad at the crown, tapering regularly to a point; deep orange color.

OXHEART, OR GUERANDE. 72 Days. Mature roots 4½ to 5 inches long, very stout and thick, ending in an abrupt small tap root; small top and easily harvested; color light bright orange.



Chantenay Carrot



Golden Acre

**CAULIFLOWER****FINE DANISH GROWN STOCK**(1 oz. of seed will produce 3,000 plants)  
Pkt., 25c; Oz., 75c

**CULTURE**—The Cauliflower requires cool, moist weather for its development; it will not head in hot weather. Sow in hotbed very early during January or February. Transplant into deep, rich, moist, well worked soil as soon as frost ceases, one foot apart in rows two feet apart. Cultivate very frequently. They should be kept growing rapidly. When the flower begins to form draw the leaves over and pin or tie them together to protect the heads from the sun. For autumn use sow in June.

**EARLY SNOWBALL.** The best variety for general use. Of dwarf habit, and produces fine, large, white heads in a very short time. Always tender and sweet.

**DANISH DRY WEATHER.** A new strain developed in Denmark to stand hot, dry weather. It matures later than the Snowball, producing large, solid, pure white heads of excellent quality.

**CHINESE CELERY  
or CABBAGE**

Pe Tsai—Chihli

**CULTURE**—About 65 days. Sow last half of July or first of August for best results in this section. When matured this plant resembles cos lettuce more than cabbage. Used in salads or may be cooked like cabbage or asparagus. Plants should be banked as they grow, or the leaves tied up over the center to produce celery-like form.

**CHINESE CABBAGE (Wong Bok).** 80 days. The heads of this variety are shorter and broader than Pe Tsai, the in-curving leaves producing a tighter, more compact head.

**COLLARDS**Pkt., 5c;  $\frac{1}{4}$  lb., 30c.

Plant two to three feet high, forming a cluster of tender leaves at the top of its rather long stem.

**SPECIAL OFFER**

**FIVE 5c PKTS. OF SEED, YOUR SELECTION FROM CATALOG FREE WITH EACH \$1.00 ORDER OF GARDEN SEEDS.**

**CABBAGE**

Pkt.	Oz.	$\frac{1}{4}$ lb.
10c	20c	50c

**CULTURE**—One ounce will produce about 2,000 plants; 10,890 plants will plant an acre of early cabbage; and 7,260 plants for an acre of late. Three ounces of seed will plant an acre of early and five ounces an acre of late cabbage. For early cabbage, sow seed in hotbeds in January or February. Transplant as early as possible to the open ground about two feet apart each way. For late cabbage, sow seed in the open ground in May and transplant about July 1 in rows  $2\frac{1}{2}$  feet each way.

**GOLDEN ACRE.** 66 Days. The earliest of the round headed cabbages, maturing with Jersey Wakefield. Plant small, dwarf and compact; heads of medium size, round as a ball, hard, solid and very uniform.

**COPENHAGEN MARKET.** 70 Days. Very fine, nearly as early as Jersey Wakefield; stem short, heads large, round and solid, with few outer leaves of an upright growth.

**ALL SEASONS.** 85 Days. Heads large, round and very deep; can be planted for early or late crop; a splendid keeper; in season a late second early, coming in with Early Flat Dutch; a favorite with kraut manufacturers.

**EARLY JERSEY WAKEFIELD.** 65 Days. The most widely known and popular extra early variety; heads are broad cone shaped and very solid. Our stock is very dwarf, compact and extremely early.

**CHARLESTON LARGE WAKEFIELD.** 75 Days. About one week later than Early Jersey Wakefield, but the conical heads are fully one-half larger.

**LATE FLAT DUTCH.** 95 Days. A justly popular and esteemed variety; extensively cultivated for market and family use. Heads large, round, flattened and very firm; has a medium stem and is very hardy.

**EARLY FLAT DUTCH.** 70 Days. Earlier and heads somewhat smaller than Late Flat Dutch; a good short stemmed second early.

**RED ROCK.** 110 Days. The largest and surest heading red cabbage; more deeply colored at the heart than Red Dutch; medium to long stem.

**CELERY**

Pkt., 10c

**CULTURE**—Sow in beds in February or March and keep them well watered. Transplant to moist, mucky soil; 6 inches apart in 12-inch rows. Earth up two or three times. Cover with straw from severe weather, with boards on top; 1 ounce of seed produces 2,000 plants.

**GOLDEN SELF BLANCHING DWARF.** 118 Days. This sort is without doubt the finest early celery in cultivation. Plants compact and stocky, with yellowish-green foliage; stalks perfectly solid, of a fine, nutty flavor attains a good size; branches a handsome golden yellow color.

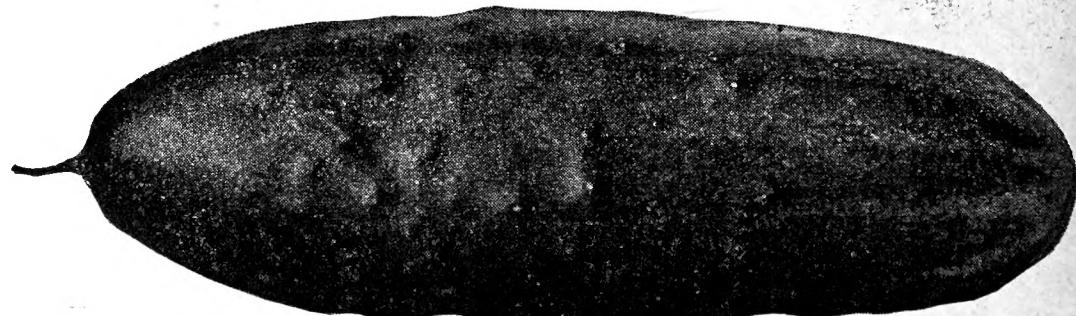
**GOLDEN PLUME or WONDERFUL.** 112 Days. Resembles Golden Self Blanching in appearance, crispness and fine nutty flavor, though somewhat earlier, larger and of ranker growth. Blanches quickly with a full heart and rich, golden-yellow color. Apparently more disease resistant than other yellow celeries. A very desirable sort.

**IMPROVED WHITE PLUME.** 112 Days. A very early, handsome variety; leaves light, bright green; easily blanched a beautiful silvery-white color. A popular sort for first early market.

**GIANT PASCAL.** 135 Days. A compact, vigorous, productive variety and one of the best for winter use; leaves upright, short and dark green; stalks short, thick and very broad; blanches a beautiful yellowish-white.

**CUCUMBERS**

Pkt.	Oz.	$\frac{1}{4}$ lb.
5c	10c	30c



Do not plant until soil becomes thoroughly warm. Cover seed  $\frac{1}{2}$ -inch, plant in hills 3 feet apart, rows 5 feet, 6 to 8 seeds, thin to 3 or 4. 1 oz. will plant about 100 hills. 2 lbs. to acre.

**SNOW'S PERFECTED PICKLE.** 52 Days. The most symmetrical, best formed and productive pickling sort; early, small, square ended and deep green.

**LONG GREEN, IMPROVED.** 70 Days. A standard late, well-known table sort; 12 to 14 inches long, slender, more or less warty, tapering towards the stem end; color dark green, flesh white and firm.

**WHITE SPINE, IMPROVED EARLY (Arlington).** 65 Days. One of the very earliest and best known of the White Spines; a short square ended, rather three-cornered type; very productive; fine for slicing or pickles; medium green color.

**EARLY FORTUNE.** 65 Days. The finest type of White Spine yet produced. Early, very productive and disease-resistant; fruits nine inches long, slightly tapering; flesh white, very firm and crisp, with very few seeds; color rich, dark green, which does not fade when shipped a long distance.

**EARLY FRAME or SHORT GREEN.** 56 Days. Vigorous and productive; medium in size and earliness; good for pickling and slicing; fruit light green and is inclined to be three-cornered rather than round.

**WHITE WONDER.** 60 Days. Fruit, produced in clusters, is symmetrical, short, blocky and rounded at both ends; color ivory-white from time of forming until maturity.

**GHERKIN.** 50 Days. Grown exclusively for pickles; fruit very small, oval and covered with spines; color light green.

**LONGFELLOW.** 72 Days. Particularly valuable for shipping. Fruits handsome; extremely dark green over entire surface, retain the color remarkably long after picking; white spined. 12 to 14 inches long;  $2\frac{1}{2}$  to  $2\frac{3}{4}$  inches thick. Straight, well filled at ends; very few seeds.

**STRAIGHT 8.** Fruits symmetrical, cylindrical, about  $8 \times 1\frac{1}{2}$  inches, well rounded at the ends. Color deep green. Ideal for shipping and home use.

## CELERIAC or Turnip-Rooted Celery

**CULTURE**—Sow the latter part of April, covering seeds  $\frac{1}{4}$  of an inch. Thin out to about 1 inch apart in the row and transplant into rows  $1\frac{1}{2}$  feet apart and 6 inches apart in the row.

**Uses**—Served as a salad with French dressing, or served hot with cream sauce.

Roots are turnip-shaped, very smooth, tender and marrow-like. Pkt., 5c; oz., 25c.

## SWEET CORN

Pkt.	1 lb.	5 lbs.
10c	25c	\$1.10

**CULTURE**— $\frac{1}{2}$ -lb. will plant 100 hills. Sweet Corn varies greatly in hardness, earliness, size and sweetness. The early sorts grow only 3 to 5 feet high and may be planted when the trees are starting out in leaf, in rows 3 feet apart, making the hills about 1 ft. apart. The later and sweeter varieties are more tender and should not be planted until the trees are in full leaf or the seed will rot in the ground. Plant garden corn in rows 3 feet apart, making the hills 18 inches apart in the rows.

**STOWELL'S EVERGREEN**. 105 Days. The standard and best sweet corn. Ears 8 to 9 inches long, 16 to 18 rowed, with a very deep, sweet grain.

**NARROW GRAIN HYBRID**. 90 Days. Same season as Narrow Grain Evergreen. Much more prolific in poor years. Pkt., 10c;  $\frac{1}{2}$  lb., 25c; lb., 45c.

**COUNTRY GENTLEMAN (Shoe Peg)**. 93 Days. An especially fine quality corn. Ears 7 to 8 inches long, cob small, white and densely covered with long, slender, white grains, without row formation.

**COUNTRY GENTLEMAN HYBRID**. 90 Days. Same season as Country Gentleman but better yielder in poor years. Pkt., 15c;  $\frac{1}{2}$  lb., 25c; lb., 45c.

**GOLDEN COUNTRY GENTLEMAN**. 90 Days. By crossing Country Gentleman and Golden Bantam, this late variety was produced, with the flavor of Bantam and the size and kernel of Country Gentleman. An excellent late yellow. Pkt., 10c;  $\frac{1}{2}$  lb., 20c; lb., 35c.

**GOLDEN BANTAM**. 85 Days. Early, golden yellow and of the finest quality. Ears 8 rowed and 6 to 7 inches long.

**ADAM'S EARLY**. 90 Days. Not a sugar corn, but largely grown for early use; hardy, standing early planting and the thick, hard husks preventing entrance of the corn worms. Ears 7 to 8 inches long, 12-rowed.

**GOLDEN SUNSHINE**. 80 Days. Of the Golden Bantam type but a week to 10 days earlier. Ears 12-rowed, kernels broad, yellow and sweet.

**HOWLING MOB**. The leading white, second early. Productive and of extra fine quality. Ears 9 to 10 inches long with 14 rows.

**TRUCKER'S FAVORITE**. Best roasting ear; not a true Sugar Corn. Stalks about 8 ft. tall, ears are of medium length and thickness, average 7 to 8 inches, with 12 or 14 rows. Kernels are white. Long, tight husks protect the ear from worms and the corn is very tender when in the roasting ear stage.

**GOLDEN CROSS**. Here is a fine new variety that is an improvement in every way over the ordinary Golden Bantam. A week later than Golden Bantam; grows  $4\frac{1}{2}$  to 5 feet tall. Ears are larger and longer, and have 10 to 14 or 16 rows of tender, rich, full-flavored yellow kernels, somewhat lighter than regular Bantam. Produces almost twice the yield of Golden Bantam and in every way is a wonderful new Sweet Corn. Pkt., 15c; 1 lb., 40c.

## CHIVES

Used for seasoning; has strong onion flavor. Very early, lives forever. Clump of roots, 15c each; \$1.00 per dozen. By mail, 10c a dozen extra.

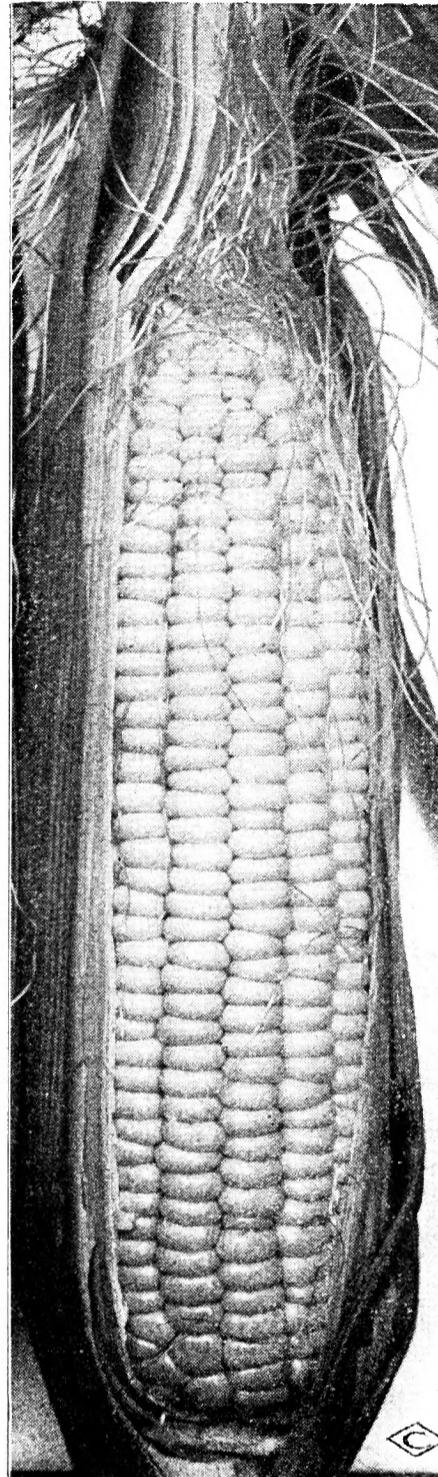
## CHICORY

**LARGE ROOTED or COFFEE**. Sow in drills. Roots used in adulterating coffee when dried, roasted and ground. Pkt., 10c; oz., 15c.

## ENDIVE

**CULTURE**—Sow in August in shallow drills, twelve to fifteen inches apart, and thin to one foot in drills. When fully grown tie over the outer leaves of a few plants every week or ten days to blanch.

Pkt.	Oz.
Green Curled Mammoth.....	\$0.05
Ever-White Mammoth .....	.05



Golden Bantam



## CRESS

**CURLED or PEPPER GRASS**. Very hardy, fast growing annual which produces a good supply of attractive, finely curled dark green foliage for garnishing and of a pleasant pungent flavor.

**WATER CRESS**. 50 Days. Will only thrive well when the roots are submerged in water; grows best along banks of small running streams.

TREAT BEFORE PLANTING WITH  
**SEMESAN**  
FOR DISEASE PROTECTION

## GARLIC

**FOR SEED**. Thrives best in light, well-enriched soil. Bulbs should be planted in the fall 6 to 8 inches apart. Cultivate and store the same as onions. Much valued for flavoring soups, stews, etc. Fine bulbs.  $\frac{1}{4}$  lb., 15c; lb., 50c.

## KALE or BORECOLE

**DWARF GREEN**. Sow in autumn for sprouts of green; desirable in every garden. Height 8 inches. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c.

**TALL GREEN SCOTCH**. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c.

## LEEK

**GIANT FLAG**. Similar to onions in flavor, but milder and preferred by many. Excellent for soups, stewed or creamed. Edible parts 6 to 8 inches long, 3 inches in diameter. Pkt., 10c; oz., 20c.

## KOHL-RABI

Kohl-rabi is grown for its turnip-shaped bulb, which is formed above ground. The bulbs should be used while young and tender. Set plants 8 inches apart.

**EARLIEST WHITE VIENNA**. Greenish white outside, with clear white flesh within. Smooth, short leaf; good for forcing; fine quality. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 50c.

**EARLIEST PURPLE VIENNA**. Same in every respect as earliest White Vienna, except in the outside color.

## EGGPLANT

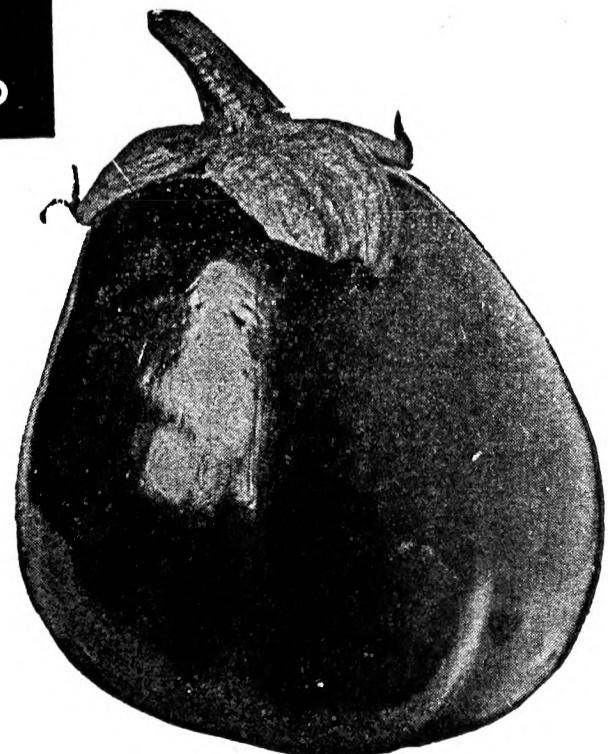
(1 oz. will produce 1,500 plants)

Pkt.	Oz.	$\frac{1}{4}$ lb.
10c	40c	\$1.25

**CULTURE**—Plant requires continuous warm weather for best results. The seed germinates slowly and should be started in a hotbed. The plants may be set out in the open ground when 2 inches tall if continued warm weather is in prospect. Space the plants  $2\frac{1}{2}$  to 3 feet apart. Young plants should be shaded from hot sun.

**LARGE NEW YORK PURPLE IMPROVED**. The standard home and market sort. Plants large, 30 to 36 inches tall; very productive, commonly bearing 4 to 6 or more large, handsome, dark purple, symmetrical broad egg-shaped fruits.

**BLACK BEAUTY**. The earliest of all large-fruited Eggplant, ten days to two weeks earlier than the New York Purple. The color is a rich shiny purplish black. It is entirely free from spines.



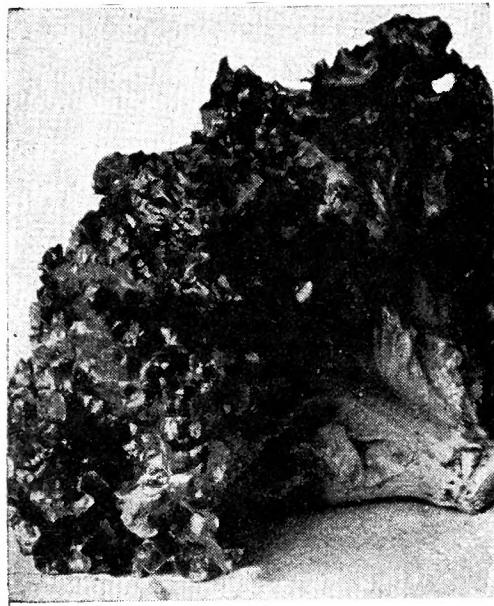
Black Beauty Eggplant

**LETTUCE**

$\frac{1}{2}$  Ounce to 100 Feet Drill  
Pkt., 5c; Oz., 10c.

**CULTURE**—For an early crop sow under glass in February and transplant on a well prepared bed, in some sheltered corner, in April. For successive crops sow in beds of well pulverized soil in March and at intervals of about a fortnight until the end of May.

**ALL SEASONS.** 50 Days. A large heading variety which may be sown early in the spring and will head during warmer weather than will permit most other sorts to head. The solid hearts are creamy yellow.



**EARLY CURLED SIMPSON.** 50 Days. A large, loose-leaved sort. Leaves broad, crumpled, and well frilled at the edges. Color, light green.

**BLACK SEEDED SIMPSON.** 50 Days. A popular loose-leaved sort of excellent quality. A fine early home garden sort. Leaves broad, blistered and crumpled.

**GRAND RAPIDS FORCING.** 50 Days. The favorite loose-leaf forcing sort and an excellent outdoor sort. Large, beautiful leaves, very crisp and tender.

**BIG BOSTON.** 75 Days. Heads large and compact. Color, light green, slightly tinged reddish brown. Heart greenish white tinged with yellow.

**PRIZEHEAD EARLY.** 50 Days. A crisp, tender, loose-leaved sort, produces large, loose heads, the outer portions of which are shaded with brown.

**NEW YORK (Wonderful).** 80 Days. A very large, late, globular heading variety; leaves broad of thick texture, fairly blistered and crumpled, and the borders frilled; color clear dark green; quality good. Pkt., 10c; oz., 15c.

**ICEBERG.** All of the Crisphead Lettuces are good in warm weather. Iceberg is the earliest of the class and makes very large solid heads of crisp, incurved, light green leaves.

**IMPROVED HANSON.** Loose heads of crumpled light green leaves. A reliable summer lettuce for home gardens.

**SPECIAL OFFER**

All 10c Packets, 3 for.....	\$0.25
7 10c Packets for.....	.50
15 10c Packets for.....	1.00
All 5c Packets, 6 for.....	.25

AVERAGE KILLING FROST IN THIS SECTION  
IS OCTOBER 21st.

**REGARDING NUMBER OF DAYS  
TO MATURITY**

The number of days required by any particular variety to produce garden stuff ready for table use varies from year to year and depends upon growing and seasonal conditions. In our description of most varieties we are giving the average number of days from seed to edible stage. Time given for broccoli, cabbage, cauliflower, pepper and tomato is days from setting plants to marketing fruits. Figures are based on growing conditions here and are meant only for convenience in comparing earliness of varieties.

**MUSTARD**

35-40 Days  
Pkt. 5c Oz. 10c  $\frac{1}{4}$  lb. 20c Lb. 60c

**CULTURE**—Sow the seed in drills early in the spring and at frequent intervals throughout the summer to secure a constant supply of fresh greens. Mustard is hardy and is easily grown. One ounce will sow 50 feet of row.

**FORDHOOK FANCY (Ostrich Plume).** A handsome, vigorous growing, mild variety, standing a long time before going to seed; leaves bright green, intensely curled and fringed on the edges; fine for salads and garnishings.

**SOUTHERN GIANT CURLED.** Plant vigorous and hardy, of upright, spreading growth; leaves 5 inches long by 3 inches wide, light green, tinged yellow, much crumpled and frilled at the edges. The popular market variety in the South.

**MUSTARD SPINACH (Tendergreen).** An oriental type of mustard greens sold in the South under many confusing names. A desirable quick growing, tender variety, with long, broad, fairly smooth leaves and white midribs; slow to seed.

**WHITE LONDON.** Plant of rapid, upright growth, soon going to seed; leaves rather small and smooth, deeply cut or divided; color deep green; seed large, light yellow.

**SPECIAL OFFER**

**FIVE 5c PKTS. SEED, YOUR SELECTION FROM CATALOG, FREE WITH EACH \$1.00 ORDER OF GARDEN SEEDS.**

**ALL GARDEN SEED POSTPAID. SEE PAGE 12 FOR COMPLETE GARDEN SEED LIST.**

**MUSKMELONS**

Pkt.	Oz.	$\frac{1}{4}$ lb.	Lb.
5c	10c	35c	\$1.00

**CULTURE**—Muskmelons grow best in light soil. Plant in hills about six feet apart, mixing in each hill about a shovelful of well rotted manure. Sow about a dozen seeds in every hill, early in May, and when well started thin out to three or four of the strongest plants.

**ROCKY FORD.** 95 Days. This is the most popular of the basket melons; oval, light ribbed, densely covered with coarse green netting, flesh thick, green and sweet, highly flavored.

**POLLOCK'S No. 10-25.** 95 Days. A very popular, standard, Rocky Ford shipping melon, having a hard gray netting and salmon-tinted flesh.

**HEARTS OF GOLD.** 90 Days. Fruit round, with tendency to heart shape, flesh very thick, deep salmon color and of high quality.

**HACKENSACK.** 95 Days. Fruit large, round, flattened at the ends, deeply and irregularly ribbed, coarsely and heavily netted; flesh green, thick and of fine quality.

**MONTREAL GREEN NUTMEG (Montreal Market).** 95 Days. Excellent; very large, often weighing 18 to 20 pounds; fruit round, flattened at both ends, medium green, deeply ribbed and well netted; flesh remarkably thick and of superior quality.

**BANANA CANTALOUPE.** 100 Days. Shaped somewhat as name indicates; grows about  $2\frac{1}{2}$  feet long; flesh deep salmon color.

**HALE'S BEST.** 85 Days. Early; are oval in shape, about 6 in. long by  $4\frac{1}{2}$  in. in diameter, with heavy netting and fairly distinct ribbing. Flesh exceptionally thick and deep salmon in color.

**LONG YELLOW CANTALOUPE.** 95 Days. Large, long, oval and deeply ribbed; flesh light salmon, very thick and sweet.

**HONEY DEW.** 110 Days. Fruit large ovoid in form, about 10 inches long and 8 inches in diameter; surface smooth and hard creamy white in color turning to a lemon tint when fully ripe; flesh light emerald green, very thick, ripening to the rind, very tender and melting, with an extreme sweetness found in no other melon.

For  
Spraying  
Melons  
Use  
Tobacco  
Dust  
Black  
Leaf  
40



**WATERMELONS**

Pkt.	Oz.	$\frac{1}{4}$ lb.
5c	10c	25c

**CULTURE**—Treat as for muskmelons, but give more room, 10 to 12 feet apart each way. Watermelons do best on old, rich soil, which is not too freshly manured, hence when making the hills, well-rotted manure should be used, and it is better to prepare them some time ahead before planting the seed. If manure cannot be obtained, use good commercial fertilizer or sheep manure mixed with the soil. One ounce plants 20 hills; 4 pounds per acre. Plant early in May or for later use, in June.

**DIXIE QUEEN.** A leader for home gardens, local markets, and for shipping. Fruits nearly round with light and dark green stripes; thin, tough rind; flesh deep scarlet, crisp and sweet. Medium to large size, and very uniform. The few seeds are white.

**IRISH GRAY.** Free from hard centers and strings, very firm, and does not break when sliced. Matures in about 90 days. Greenish gray color; does not sunburn.

**TOM WATSON.** Immensely popular because there is delicious sweetness. The flesh is rich red, crisp and tenderly melting. Reaches the size of 24 to 28 inches in length, and 12 to 14 inches in diameter. It has a mottled, dark green rind, thin, but tough enough to stand shipping.

**HALBERT HONEY.** The melons are oblong in form, skin is smooth, of dark green color, thin, and rather brittle; on this account the melons do not stand shipping well. But for home use, they are excellent.

**KLECKLEY SWEET.** Well named, for the flesh of this melon is sweet as honey. The rind is dark green, and only about one-half inch thick. Seeds are white, lying close to the rind, leaving a large solid heart.

**SWEETHEART.** Vine vigorous and productive. Fruit large, rounded or slightly oblong; skin pale green, with bands of deeper color, flesh red, melting and very sweet.

**STONE MOUNTAIN.** A very fine melon, especially popular in the southern states, where the fruits frequently weigh 50 to 80 pounds. The flesh is solid, bright scarlet in color, has few seeds, and is very sweet.

**"KING AND QUEEN" WINTER WATERMELON.** Spherical in shape, ivory shell, pink center, seeds black. Average weight 25 pounds. The most luscious, handsome and valuable winter melon in the world.

**GOLDEN HONEY.** The best of the yellow fleshed melons. It is oblong in shape and the average weight is 20 pounds. The rind is dark green with irregular stripes of darker green. Edible in 90 days.

**CITRON.** For preserving. Fruit very similar to the watermelon, but the flesh is used exclusively for sauces, pies, and preserving. The flesh is white, will keep solid all winter, and has a delicious flavor after it is cooked.

**POP CORN (Shelled)**

**JAPANESE HULLESS.** A dwarf growing corn. Heavy yielder. Pkt., 10c. Postpaid.

**S. AMERICAN.** Fine yellow variety. Pkt., 10c. Postpaid. (Write for prices on larger quantities.)

**OKRA or GUMBO**

Pkt.	Oz.	$\frac{1}{4}$ lb.
5c	10c	25c

**CULTURE**—Sow after soil is warm in rows 3 feet apart, 18 inches apart in the row. The pods are used for soups and stews. The pods should be gathered while still young and tender, before the woody fiber develops.

**LONG GREEN.** Very early and productive. Plant 3 feet high; pods bright green,  $7\frac{1}{2}$  inches long, straight, slender, pointed and slightly corrugated; a desirable market variety.

**WHITE VELVET.** Grows  $3\frac{1}{2}$  feet high; is early and productive. Pods are creamy white, long, smooth, slender, and tender.

**ONION SEED**

Pkt.	Oz.	$\frac{1}{4}$ lb.
10c	20c	60c

**CULTURE**—Sow as early in the Spring as ground can be worked, in drills 15 inches apart, covering one-inch deep. One ounce for 300 feet of drill; 4 to 5 pounds per acre. About 750 seeds to the packet.

**LARGE RED WETHERSFIELD.** 110 Days. One of the oldest and best known types of onion. A fine, large, rather flat sort of a deep purplish-red color; noted for its productiveness and keeping qualities; used largely in the production of onion sets.

**SOUTHPORT LARGE RED GLOBE.** 130 Days. The finest type and most popular of the red onions. The bulbs are distinctly globe-shaped with a small neck, and are excellent keepers; color a deep purplish-red.

**PRIZETAKER.** 100 Days. One of the largest onions grown and the mildest; is productive and a sure cropper; bulbs are globe-shaped and of a light straw color.

**YELLOW GLOBE DANVERS.** 110 Days. Bulbs medium large, round, yellow, firm and solid. Flesh white, with slight yellow tone.

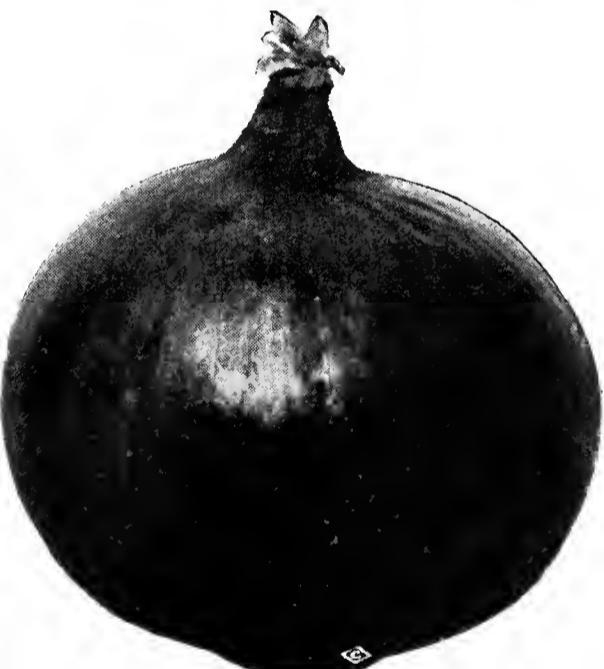
**SOUTHPORT WHITE GLOBE.** 110 Days. Of the true Southport Globe form with a thin, delicate skin of purest paper whiteness; flesh is very crisp, fine-grained, snowy-white in color and exceedingly mild.

**RIVER SIDE SWEET SPANISH.** 98 Days. Nearly globular in form, resembling Prizetaker, but grows to golden yellow in color of skin; flesh white and very mild.

**WHITE PORTUGAL or SILVER-SKIN.** 100 Days. A large, flat, white onion of mild and pleasant flavor hard and fine-grained.

**CRYSTAL WAX**  
90 Days. Bulb round, medium sized, solid, skin thin and delicate; flesh waxy white, fine grained, and mild.

**YELLOW or WHITE BERMUDA.** 88 Days. Medium sized, flat sort. Skin light straw color, thin and loose; flesh nearly white, coarse, sweet and mild.

**ONION SETS**

Tops, 28 lbs. per bu.; bottoms, 32 lbs. per bu. It takes 8 bu. to set an acre.

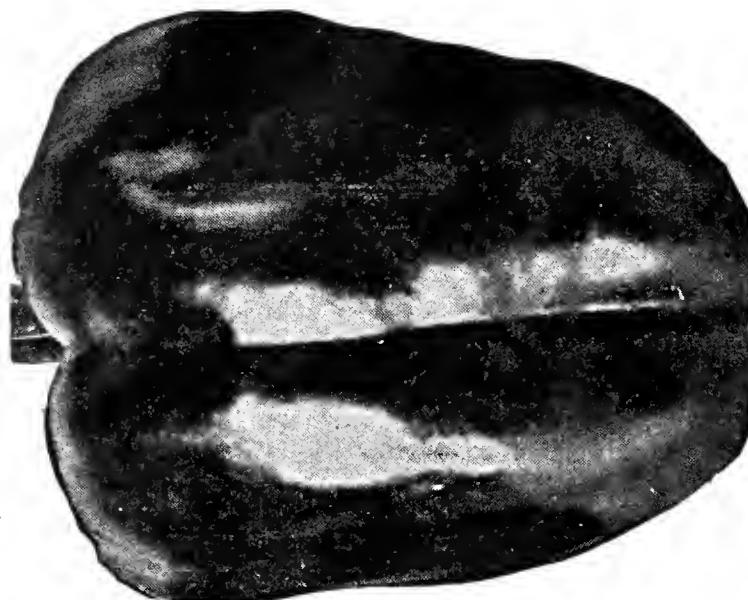
Price on application for the following varieties:

RED WETHERSFIELD  
AUSTRALIAN BROWN  
WHITE SILVERSKIN  
YELLOW GLOBE

POTATO ONION  
WINTER TOPS  
MULTIPLIERS  
SUMMER TOPS

**BERMUDA ONION PLANTS**

We can furnish the genuine Crystal White Wax and Yellow Bermuda, tied 100 to the bundle and 6,000 to the crate, at 15c per hundred and \$1.00 per thousand, postpaid.



Ruby Giant

**PARSLEY**

1 Oz. to 100 Feet Drill.

Pkt.	Oz.	1/4 Lb.
5c	15c	35c

Parsley is used for seasoning soups and stews, for salads, and is also very universally used for garnishing; also for ornamental border in the flower garden; succeeds best in rich, mellow soil. As the seeds germinate very slowly, three or four weeks sometimes elapse before it makes its appearance. It should be sown early in the spring.

**CHAMPION MOSS CURLED.** This is a vigorous, compact growing variety, excellent for garnishing and flavoring, and a handsome decorative plant. Leaves very finely cut and so closely crisped or curled as to resemble bunches of moss.

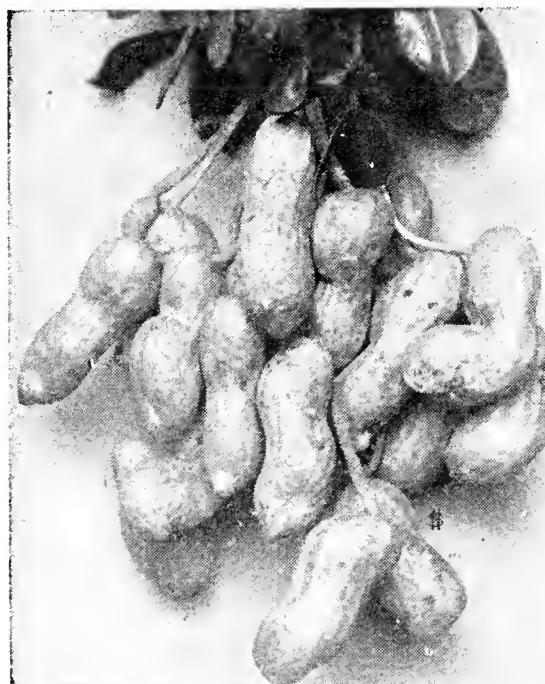
**EXTRA TRIPLE CURLED.** Very finely curled variety of dark green color. One of the best varieties for all purposes.

**DOUBLE CURLED.** An excellent variety for garnishing meats.

**PARSNIPS**

**CULTURE**—Sow the seed thickly in rows 1½ to 2 feet apart as early in the spring as the ground can be worked. Give frequent and thorough cultivation. When the plants are well up thin 4 to 6 inches in the row. Seed can be sown from February to May.

**LARGE SUGAR or HOLLOW CROWN.** The market gardener's favorite. Considered the best for general culture. Pkt., 5c; oz., 10c; ¼ lb., 35c; postpaid.

**PEANUTS**

This crop is naturally adapted to a light, sandy land. When properly cared for, it will yield a good profit as a market crop or as pasture for hogs. Shell the seed before planting, and plant in rows 3 feet apart, hills 10 inches apart. Peanuts should be planted in May or June.

Tennessee Red .....	Lb. \$0.25	5 lbs. \$1.00
Virginia .....	.25	1.00
Spanish .....	.25	1.00

Postpaid

**PEPPERS**

1 Oz. Will Produce About 2,000 Plants.

Pkt.	Oz.
10c	45c

**CULTURE**—Sow in hotbeds in March or April; transplant in open ground when all danger from frost is over, in rows 3 feet apart and 2 feet apart in row.

**LARGE BELL or BULL NOSE.** 120 Days. Large, mild, thick-fleshed variety. One of the best for stuffed pickles.

**CHINESE GIANT.** 130 Days. Plant of short, stocky growth, with light green foliage; fruits pendent, thick, blocky and square ended, 4 to 5 inches in diameter and of equal length; color radiant glossy scarlet.

**CALIFORNIA WONDER.** 120 Days. Resembles Chinese Giant in the large size and "blocky" form of its fruits, but having an extremely thick flesh not possessed by that variety. Fruit upright, crimson, measuring 4½ in. in length by 4 in. in diameter, mild and sweet.

**RUBY GIANT.** A cross between the Ruby King and the Chinese Giant, having the good qualities of both. The peppers are of very large size and so sweet and mild that they can be eaten raw. The flesh is very thick and when ripe is of a deep red color; matures early.

**RUBY KING.** 110 Days. Very large, sweet and solid, bright scarlet.

**PIMENTO.** 100 Days. A very thick fleshed, heart-shaped, smooth, mild, crimson variety, much used for salads; fruit pendent; 3½ in. long by 2½ in., greatest diameter; rather late in season.

**GOLDEN QUEEN.** 120 Days. One of the largest of the sweet, yellow peppers; resembles Ruby King in size, form and mild flavor, but is a bright, golden-yellow color.

**SUNNYBROOK.** A tomato-shaped, sweet red pepper of much merit. Fruit upright, 3 in. in diameter by 2½ in. in depth with thick flesh; moderately early.

**PUMPKINS**

Pkt., 5c



King of Mammoth

**CULTURE**—After danger of frost is over plant the seed in hills 8 to 10 feet apart each way, dropping about a dozen seeds in a hill. The soil should be made as rich as possible. If planted with corn, 2 or 3 seeds a rod apart each way will be sufficient. When danger from bugs is past, thin to 3 plants to a hill. Use 3 to 4 pounds of seed per acre; ¼ pound for 75 hills.

**LARGE CHEESE or KENTUCKY FIELD.** Large, round flattened fruits, much ribbed and creamy buff in color; flesh yellow, very deep and of fine quality; one of the best canning sorts.

**KING OF THE MAMMOTH.** The giant among pumpkins. Often weigh over 100 pounds. Salmon skin. Flesh bright yellow, fine-grained and of good quality.

**CUSHAW, STRIPED.** Of the crookneck type with mottled green and white stripes; fruit will weigh from 10 to 15 pounds; flesh yellow, very solid and fine grained.

**CUSHAW, WHITE (Jonathan).** A popular crooknecked variety with a hard, creamy-white shell; fruits two feet in length, with long, solid, meaty necks; fine quality.

**TENNESSEE SWEET POTATO.** Pear-shaped, skin and flesh a creamy white. Flesh thick and when cooked resembles sweet potatoes.

**SWEET or SUGAR (New England Pie).** Fruits small, round, flattened at the ends, and slightly ribbed; skin and flesh deep orange-yellow; flesh very thick and of high quality.

FOR PEAS, BEANS,  
SWEET PEAS  
WE RECOMMEND  
*McQueen's  
Inoculator*

## GARDEN PEAS

Pkt.	Lb.	5 Lbs.
10c	25c	\$1.10

Sow Peas as early in the spring as the ground can be worked, in drills about 4 inches deep. The rows must not be nearer than 2 feet, except for the dwarf sorts. Those growing 3 feet high or more should not be nearer than 3 or 4 feet, and should have brush for their support. Avoid fresh manure and very rich soil, as they cause the vines to grow too rank. One pound will sow 40 feet of drill; 55 to 100 pounds for an acre, in drills 3 feet apart.

## EARLY SMOOTH VARIETY

**ALASKA.** 56 Days. Very early, smooth, blue pea. Popular with canners and market gardeners for a first early sort. Height  $2\frac{1}{2}$  feet. Foliage and pods light green; pods  $2\frac{1}{2}$  inches long, round, straight and square ended, containing 6 light green peas. Very uniform in maturity.

**FIRST and BEST.** Not quite as early as Alaska, but is prolific and hardy. Plant is  $2\frac{1}{2}$  feet high, producing medium sized pods well filled.

**AMERICAN WONDER.** 60 Days. One of the earliest of the green wrinkled sorts. Vine 10 to 14 inches high, dark green, fairly coarse. Very prolific. Pods of striking form,  $2\frac{1}{2}$  to 3 inches long, containing 5 to 8 tender sweet flavored peas. Dry seed, green, wrinkled.

**CHAMPION OF ENGLAND.** 78 Days. One of the richest, best flavored late peas; well known and popular. Height  $4\frac{1}{2}$  feet. Vine stout, deep green; pods, often in pairs, medium green,  $3\frac{1}{2}$  inches long, straight, nearly round and blunt ended, containing 8 light green peas; productive. Season following Telephone.

**GRADUS or PROSPERITY.** 62 Days. A standard, early large podded variety, very popular with market gardeners. Height 3 feet. Vine and foliage moderately heavy and medium green; pods medium green,  $3\frac{3}{4}$  in. long, semi-round, straight, slightly curved at the tip, and pointed, containing 6 to 8 large, very sweet, medium green peas; moderately productive and of high quality.

**MARROWFAT, LARGE WHITE.** 80 Days. An old time smooth, round, white seeded pea, growing five feet in height. While immensely productive the quality is below the average. Pods light green, 3 inches long.

**LITTLE GEM, PREMIUM.** 65 Days. An improved and more dwarf strain of McLean's Little Gem. Height  $1\frac{1}{2}$  feet. Foliage dark green; pods light green 3 in. long, round, square ended and well filled with 6 to 8 light green peas of good quality; very productive.

**LITTLE MARVEL.** 64 Days. An extra fine dwarf sweet pea. Pods somewhat larger than Nott's Excelsior and same season. A fine variety for either private or market garden. Height 18 in. Foliage and pods very deep green; pods 3 in. long, nearly round and square ended, containing 7 very dark green peas of high quality.

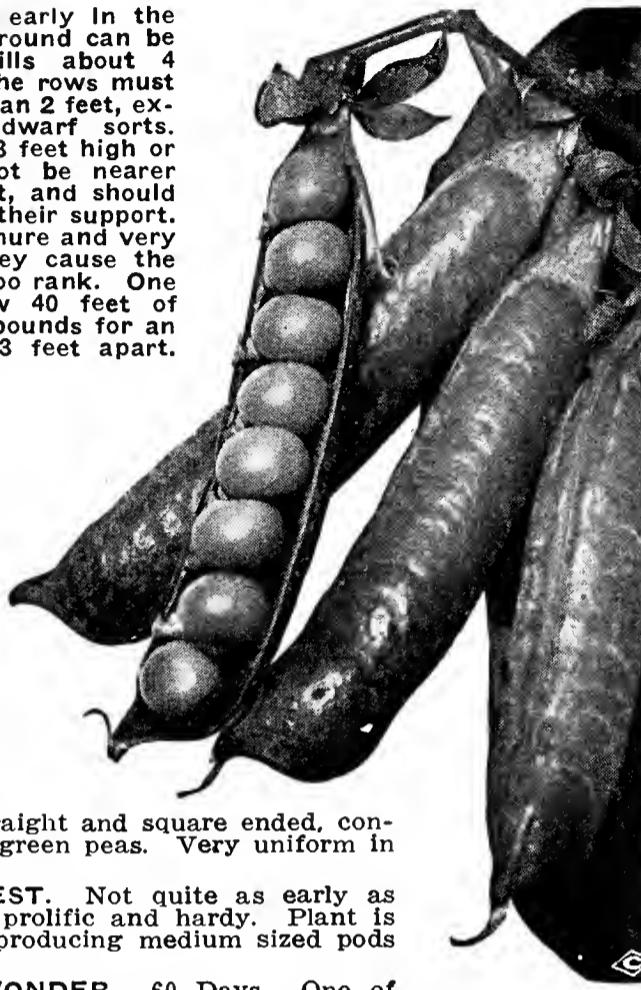
**NOTT'S EXCELSIOR.** 60 Days. A standard, extra early dwarf pea. Height  $1\frac{1}{2}$  feet. Foliage medium green, stout and heavy; pods light green, 3 inches long, round, straight and blunt ended, containing 6 light green peas of high quality; productive.

**TELEPHONE.** 76 Days. A standard, high quality, large podded pea. Height  $4\frac{1}{2}$  feet. Vine and foliage strong and heavy, medium green. Pods  $4\frac{1}{2}$  in. long, medium green, straight, broad and pointed, containing 8 large, light green peas; main crop, productive.

**THOMAS LAXTON.** 65 Days. A very popular gardener's variety. Height 3 feet; vine and foliage moderately stout, medium green; pods medium green;  $3\frac{1}{2}$  inches long, straight, nearly round and square ended, containing 7 medium dark green peas of superior quality. Compared with Gradus is a little earlier, more productive, but with a smaller, less broad pod.

**SUGAR, TALL GRAY SEEDED (Edible Pod).** 75 Days. Height 4 feet. Blossoms purple. Vine medium heavy, medium green; pods light green,  $2\frac{1}{2}$  in. long,  $\frac{1}{2}$  in. broad, square ended, containing 7 light green peas; quite late.

**SUGAR, DWARF GRAY SEEDED (Edible Pod).** 75 Days. Height 3 feet. Purple blossoms. Quite like Tall Gray, but earlier and of shorter growth.



## RHUBARB or PIEPLANT

Highly esteemed for pies, tarts, jelly and marmalade. Sow in drills 1 foot apart early in spring. In the fall or next spring transplant 3 feet apart in deeply dug, rich soil.

**MAMMOTH VICTORIA.** Largest, most productive variety. Large pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 50c.

**RHUBARB ROOTS.** Set in spring, they will furnish leaf stalks the following season. Large roots, each, 10c; doz., \$1.00.

## RADISHES

Pkt.	Oz.	$\frac{1}{4}$ lb.
5c	10c	25c

**CULTURE**—To be tender and crisp radishes must be grown quickly, and this requires rich soil and plenty of moisture. Commencing with the first mild spell in the spring, sow at intervals of 10 days, in a light, rich, deeply-worked soil. One ounce will plant 50 feet; 8 to 10 pounds one acre.

**ICICLE.** The Finest White Radish. An ideal white radish; long, slender root, which remains crisp and mild until grown large. It matures early with short top, which permits close planting and forcing. Many of our customers say it is the finest radish they have ever grown. Plant every 10 days for succession.

**CRIMSON GIANT.** 25 Days. Extremely large, but never pithy. One of the best for outdoor culture. Top is a little too large for a forcing sort; intermediate in season.

**EARLY SCARLET TURNIP.** 23 Days. A well known variety; very quick grower.

**EARLY SCARLET TURNIP, WHITE TIPPED (Rosy Gem).** 24 Days. Round, deep scarlet, shading to a white tip on the bottom; very early; used extensively both as a forcing and outdoor sort.

**FRENCH BREAKFAST.** 25 Days. Of oblong form, small and quick growing; color bright rose-scarlet, with small, white tip; good outdoors or under glass.

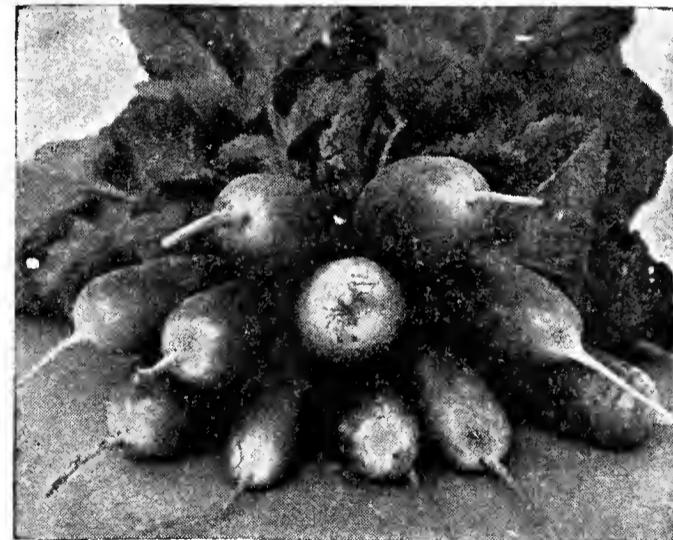
**SAXA.** 22 Days. The earliest of the forcing radishes, and one of the slowest to shoot to seed. Round, bright scarlet and with the smallest possible top. We have an excellent stock of this radish and can highly recommend it.

**WHITE STRASBURG.** 39 Days. Popular with market gardeners for summer use. Roots about 5 inches long,  $1\frac{1}{2}$  inches thick at the shoulder, tapering and smooth. Skin and flesh white, crisp and slightly pungent. Continues in marketable condition longer than most varieties.

**WHITE VIENNA or LADY FINGER.** 30 Days. Similar to White Icicle, but more slender and several days later. Roots  $5\frac{1}{2}$  to  $6\frac{1}{2}$  inches long,  $\frac{1}{2}$ -inch thick, sleek, tapering; skin white, with tinge of green on the sloping shoulder.

**VICK'S SCARLET GLOBE.** 22 Days. It is one of the very earliest of the forcing radishes and does equally well outside; roots are of fair size, globe-shaped and with a very small top; always crisp and tender; color a bright scarlet.

**SPARKLER.** 20 Days. Deep scarlet with a pure white tip. In shape it is nearly round. Owing to its attractive color, and its extreme earliness it has long been a favorite for home use and market. The radish is solid, crisp and sweet, very good quality.



## WINTER RADISHES

Sow in June and July.

**WHITE CHINESE or CELESTIAL.** A beautiful, large, white radish grown very extensively by the market gardeners for fall and winter trade. Root is white, cylindrical, very firm and mildly flavored.

**CALIFORNIA MAMMOTH WHITE.** 60 Days. An excellent fall variety. Roots 7 to 8 inches long, 2 inches thick; cylindrical, and thickest at lower end; leaves large, light green; flesh white, crisp and not pungent.

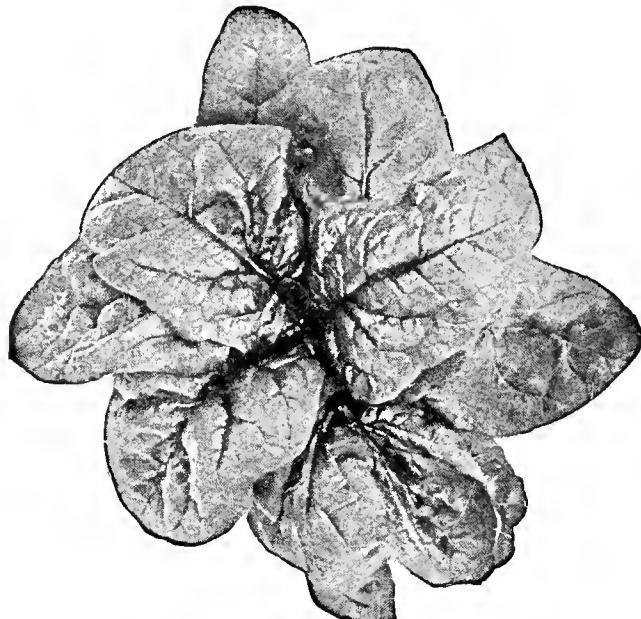
**LONG BLACK SPANISH.** 60 Days. A good keeping winter variety. Roots cylindrical, slightly tapered at tip, 7 to 10 inches long, 2 to  $2\frac{1}{2}$  inches in diameter; skin black and somewhat wrinkled; flesh white, solid and pungent.

**ROSE CHINA WINTER.** 52 Days. A popular, very distinct winter sort. Roots 4 to 6 inches long, 2 inches in diameter, cylindrical, but thicker at the lower end; blunt, smooth, bright rose-red in color; flesh white, very firm, and pungent.

**SPINACH**

Pkt.	Oz.	$\frac{1}{4}$ lb.
5c	10c	20c

We handle immense quantities of Spinach Seed for a critical market garden and truck farm trade. For a succession the seed may be sown early in April and again in May in drills 1 foot apart and 1-inch deep, properly thinning out when plants are an inch in the leaf. For the earliest spring crop, sow from first to middle of September, protecting the crop through the winter with a light covering of straw or leaves. One ounce for 100 feet of drill, 10 pounds for an acre of drills. Write for prices in large quantities.



Spinach, Bloomsdale

**BLOOMSDALE LONG STANDING.** 39 Days. Nearly as early as the old strain and will stand two weeks longer before bolting to seed. Plants very uniform, leaves intensely crumpled and blistered, dark glossy green in color.

**KING OF DENMARK.** 46 Days. A fine long season Spinach, remaining longer than most varieties before bolting to seed. Plant vigorous and spreading; leaves large, rounded, fairly crumpled and blistered; dark green in color.

**NEW ZEALAND.** 70 Days. Entirely distinct from the true Spinach; plant tall and spreading with numerous side shoots; leaves medium green, rather small and pointed; grows well in hot weather and under adverse conditions.

**MUSTARD SPINACH (Tender Greens).** Large, thick-leaved variety from Japan, remaining tender both summer and winter. Popular in the South.

**SALSIFY or OYSTER PLANT**

Pkt., 10c; Oz., 25c.

**CULTURE**—Sow early in drills 18 inches apart and cover firmly 1-inch deep; thin to 3 inches apart in the drills. One ounce for 60 feet of drill; 7 pounds to one acre.

**MAMMOTH SANDWICH ISLAND.** 90 Days. A very superior strain, producing smoother, larger and more vigorous roots; foliage stronger. Roots similar to a slim Parsnip. Often called "vegetable oyster."

**SEED SWEET POTATOES**

Owing to the perishable nature of Sweet Potatoes, our responsibility ceases upon delivery to railroad company and received for in good condition.

Write for prices on the following varieties:

**Yellow Kinds—**

Nancy Hall  
Yellow Nansemond  
Yellow Jersey  
Porto Rico Yam

Plants of the above varieties ready for shipment about April 15.  
Write for prices.

**Red Kinds—**

Red Nansemond  
Red Jersey  
Red Bermuda  
**White Kinds—**

Brazilian  
Southern Queen

**SEED POTATOES**

NORTHERN GROWN

Plant 8 bu. per acre. Write for prices when ready to buy.

**CERTIFIED STOCK.** We offer Michigan and Minnesota certified potatoes in several instances. Such stock has been inspected while growing by authorized state agents and found free from serious diseases and varietal mixture and is from vigorous fields. Sorting and grading to No. 1 grade is also required.

Early Ohio (Red River Stock)	Green Mountain
Bliss Early Triumph	Burbank
True Early Rose	Early Six Weeks
	Irish Cobbler

**SQUASH**

Pkt.	Oz.	$\frac{1}{4}$ lb.
5c	10c	30c

**CULTURE**—Plant in hills, in well prepared ground, mixing plenty of well-rotted manure in each hill. Light soils are best suited for their growth. Plant six to eight seeds in each hill and thin out to three or four after they have made partial growth. Plant bush varieties from three to four feet apart each way, and the trailing sorts six to eight.

**DELICIOUS.** 115 Days. A fall and winter variety, medium size, top-shaped, dark green, flesh orange, very deep and delicious.

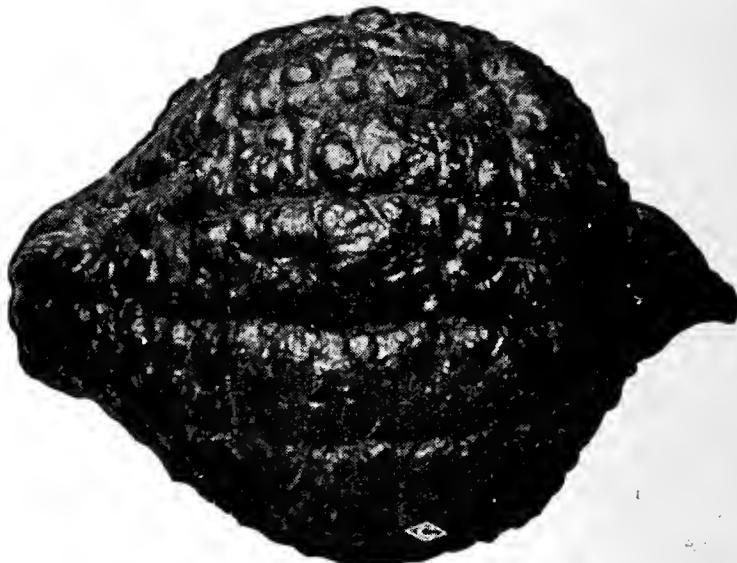
**TABLE QUEEN.** 58 Days. A squash fit for a queen. Cut in half and baked for twenty minutes, it is delicious. Wonderful producer. Fruits are from 6 to 8 inches long and 4 to 6 inches in diameter. Shell hard and smooth, dark green with sometimes a blotch of red at pointed end. Will keep as long as the Hubbard.

**GIANT SUMMER CROOKNECK.** 55 Days. The largest and one of the earliest summer varieties; fruits often 2 to 2½ feet long, very warty and deep orange in color.

**EARLY WHITE BUSH SCALLOP.** 60 Days. Very early summer squash; also known as Patty Pan.

**EARLY YELLOW BUSH SCALLOP.** 60 Days. A true bush. Earlier and smaller than the above.

**BANANA.** 120 Days. A prolific, oblong variety 2½ feet in length by 6 inches in diameter, having a gray-green shell, with irregular stripes and dashes of a darker shade, distinctly pointed at the blow end; solid, dry flesh with small seed cavity.



**GOLDEN HUBBARD.** 110 Days. Similar to the old Hubbard in form and habit, though smaller and decidedly earlier; shell moderately warted, rich orange-red; flesh deep orange, fine quality; good keeper.

**IMPROVED HUBBARD.** 120 Days. The standard Winter Squash. Shell moderately warted; deep dark bronze-green; flesh bright yellow, fine grained, thick and dry.

**CHICAGO WARTED HUBBARD.** 120 Days. Similar in quality and form to the Hubbard, but fruit larger and a little later.

**SWEET POTATO.** Fruit light yellow with green stripes, 6 to 8 inches long and thick flesh.

**TOBACCO**

**CULTURE**—A very clean piece of land is best for tobacco. It is customary to burn a piece of land in the woods for plant beds. This destroys grass, weeds and insects, adds fertility through the action of the wood ashes, and leaves the ground in good order. The seeds are sown about February and protected by plant-bed cloth to keep off tobacco flies. When large enough and weather is settled (about June), set the plants out in highly manured or fertilized soil in 3½-foot rows, 3 feet between the plants. Constant care must be given, cultivating, suckerizing, worming, etc. Methods of curing differ according to the variety and color; 1 ounce sows 50 square yards, sufficient to set 2 or 3 acres.

**JUDY'S PRIDE.** This type of White Burley is the best of any variety grown in this section. Makes the largest yield and the highest grade of leaf, which is much superior to that grown in other sections. Good, bright leaf, small stem and wonderful flavor. Pkt., 20c; oz., \$1.00; postpaid.

The following varieties are old standards: Red and White Burley, Sweet Oronoco, Yellow Prior. Pkt., 10c; oz., 50c; postpaid.

**SPECIAL OFFER**

FIVE 5c PKTS. SEED, YOUR SELECTION FROM CATALOG, FREE WITH EACH \$1.00 ORDER OF GARDEN SEEDS.

# HIGH TEST TOMATOES

NONE BETTER

Our Improved Tomato Seed Is Grown Strictly for Seed Purposes Only. They Are Not a Hit and Miss Lot of Seed from Some Canning Factory.

## TOMATOES

Pkt., 10c.

**CULTURE**—One ounce of seed will produce from 2,000 to 3,000 plants. Sow the seed in hotbeds during March. When the plants are 2 inches high transplant into cold frames, plant boxes, paper pots or earth bands. After all danger of frost is over, set these plants into the open ground. The soil should be warm, mellow and fertile. Set plants 4 feet apart each way. Cultivate often and as long as the plants permit. By training the tomato vines on trellises or tying to stakes, the fruit will ripen better and be of finer flavor. A wire fence is a good support. When frost is feared in the fall, pull the laden vines and hang in a shed or cellar and many will continue to ripen.

1 oz. to 2,000 plants.

Set 3 feet apart takes 4,840 plants per acre.

Set 4 feet apart takes 2,723 plants per acre.

**STONE.** 86 Days. The standard and general favorite with truckers and canners; always dependable, very vigorous and productive; fruits round, large, solid, smooth and deep red in color.

**GREATER BALTIMORE.** 82 Days. A heavy fruit bearing variety; earlier and more productive than the stone. Fruits large, solid, round, red and free from blemish. Ideal for canning or the garden.

**RED ROCK.** 83 Days. A very fine selection of the Matchless type; medium early, round, smooth and bright red; makes a good canning variety.

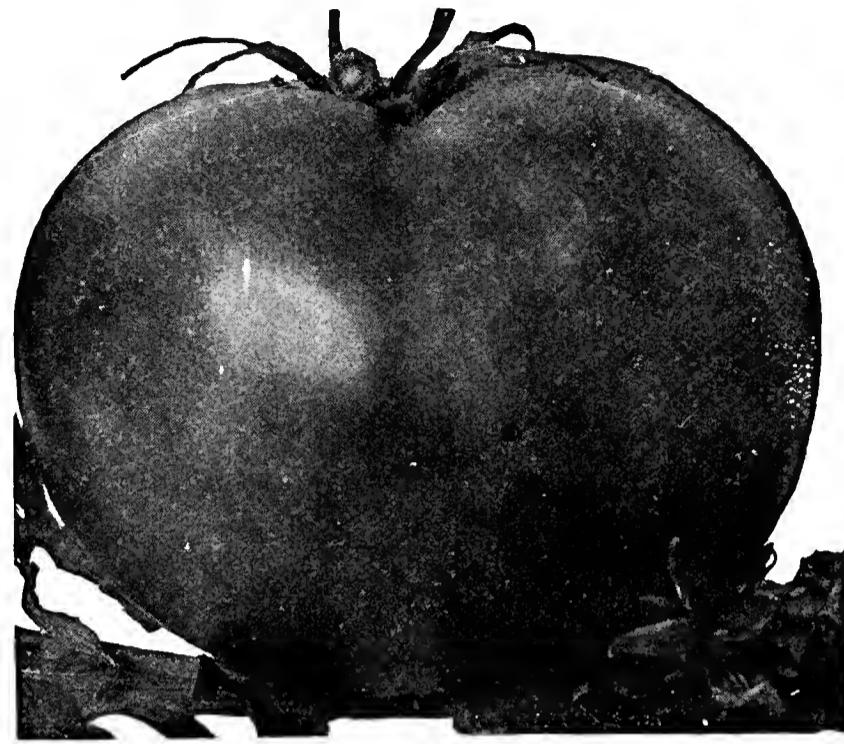
**MARGLOBE.** 79 Days. Earliest wilt resistant variety. This fine tomato is the result of a crossing of the Early Marvel with the fine flavor and form of the Globe. The meat is solid, has very few seeds, non-acid and has a rich red color, is excellent for local market and is one of the leading canning varieties.

**EARLIANA (Spark's).** 64 Days. The earliest and best of the very early tomatoes; very productive for an early sort; fruit of fair size, round, very smooth and solid, and produced in clusters in center of the plant; color bright scarlet.

**BONNY BEST.** 73 Days. About a week earlier than Chalk's Jewel; fruit somewhat smaller, very smooth, round, solid and uniform, and produced in clusters in center of the plant; ripens uniformly and is very productive; color bright red.

**BREAK O'DAY.** 70 Days. An early wilt resistant variety with large, solid, globular scarlet fruits. One of the best of the disease resistant varieties. About ten days earlier than Marglobe.

**CUPROCIDE 54**—For control of Blight and Leaf Spot on Tomatoes. 3-lb. bag, \$1.11.



Marglobe

**CHALK'S JEWEL.** 74 Days. An exceptionally fine variety, about ten days later than Earliana; fruit uniformly smooth, round and solid; color crimson.

**CRIMSON CUSHION or ENORMOUS.** 90 Days. The largest of the bright red tomatoes; really a Red Ponderosa.

**JOHN BAER.** 70 days. An early, productive red tomato on the order of Chalk's Jewel. We have a splendid, uniform stock of this variety.

**JUNE PINK.** 70 Days. In habit of growth, productiveness and size of fruit identical with Earliana, differing only in having purple fruit; the best extra early purple variety.

**OXHEART.** 100 Days. The largest of all tomatoes, purple fruits often weighing up to a pound and a half. Of distinct "oxheart" form, very solid, with few seed cells.

**PONDEROSA.** 90 Days. An exceptionally large, purple-fruited tomato, and for home use one of the best; fruit very solid, with few seeds.

**PRITCHARD.** 73 Days. A mid-season scarlet fruited sort, which is resistant to Fusarium Wilt and to Nail Head rust. Vine vigorous and productive. Fruit nearly globular in shape.

**TWINE**—For tying Tomatoes. Per lb., 30c.

## TURNIPS

Pkt.	Oz.	1/4 lb.	1 lb.
5c	10c	20c	60c

**CULTURE**—For early use sow very thinly in March or April in drills from 12 to 15 inches apart; thin out to 6 inches in the rows. For fall or winter crop, sow in July and August. The old saw: "On the twentieth of July, sow your turnips, wet or dry." is good advice and sow very sparingly—one seed to the inch is enough. The Rutabagas are grown for feeding stock, and are also excellent for table. One ounce will sow 150 feet of drill; 1 to 1½ lbs. to the acre.

**PURPLE TOP WHITE GLOBE.** Almost a perfect globe in form; flesh and skin white, colored purple or red, above ground; very fine grained and sweet; a superior variety.

**PURPLE TOP STRAP LEAVED.** The most widely cultivated and best known variety; a very early, productive sort; roots are flat, medium sized, purple or dark red above ground, white below; flesh white, tender and fine grained.

**POMERANIAN WHITE GLOBE.** One of the largest and most productive; roots often grow to weigh 10 to 12 pounds, are globe shaped, slightly flattened; skin smooth and white; for stock feeding.

**AMBER GLOBE (Green Top).** One of the best yellow-fleshed sorts; roots globular and of large size; skin clear yellow except the top, which is tinted green.

## VEGETABLE PLANTS and ROOTS

TRANSPLANTED PLANTS WILL BE SENT UNLESS OTHERWISE STATED ON YOUR ORDER

CABBAGE—Frost Proof	Doz.	100	1000	Ready
Transplanted, home grown....	\$0.10	\$0.75	\$6.00	Feb. 15
Transplanted, seed bed.....	..	.60	4.50	April 1
Tomato, Transplanted .....	.10	.85	7.50	April 1
Tomato for Canners, seed bed .....	.40	2.50	May 20-July 15	
Peppers, Transplanted .....	.20	1.50	...	April 1
Cauliflower, Transplanted .....	.20	1.50	...	Feb. 15
Sage, Transplanted .....	.20	1.50	...	Feb. 15
Eggplant, Transplanted .....	.20	1.50	...	March 15
Celery .....	.10	.60	4.50	April 1
Sweet Potatoes, Standard.....	..	.35	3.00	Feb. 15
Sweet Potatoes, Nancy Hall.....	..	.35	3.00	April 1
Parsley .....	.20	1.50	...	April 1
Onion Plants, Bermuda.....	..	5.00	1.00	
Chives, per bunch, 15c.....	1.00	5.00	...	
Rhubarb Roots, large clumps—	Each, 10c	1.00	5.00	...
Asparagus Roots .....	..	.25	1.50	...
Horseradish Roots .....	..	.15	1.00	...
Prices quoted above on plants are at our store only. By parcel post add 10c per dozen for postage and packing.				

We have the best equipped Greenhouses and Trial Gardens in the Southwest for growing plants; 55,000 square feet of glass.

In their proper seasons we shall have large quantities of all kinds of vegetable plants of our own growth. Give us ample time to select, pack and ship your order. By doing so you will secure better plants. Should we be sold out of the variety of plants ordered, we will send a nearly similar kind instead. They will be carefully packed and will carry long distances. Plants by mail at purchaser's risk. No charge for packing, etc. Special prices to growers and canners.

**RED ARROW GARDEN SPRAY**—Ideal for home gardening. See page 33.

**SPHAGNUM MOSS**—For packing vegetable plants.  
Ask for prices.

## OUR COMPLETE LINE OF STANDARD GARDEN SEEDS

CAN BE ORDERED IN PACKETS OR BULK. WRITE FOR PRICES IN LARGE QUANTITIES.  
ALL GARDEN SEED POSTPAID.

	Pkt. Lb.		Pkt. Oz.		Pkt. Oz.			
<b>BUSH BEANS—Green Pod</b>		<b>ASPARAGUS</b>		<b>EGGPLANT</b>				
Full Measure .....	.10	.25	Mary Washington .....	.05	.15	New York Improved.....	.10	.40
Bountiful .....	.10	.25	Palmetto .....	.05	.15	Black Beauty .....	.10	.40
Red Kidney .....	.10	.25	<b>BEETS</b>		<b>ENDIVE</b>			
Giant (Stringless) .....	.10	.25	Banquet Table .....	.05	.10	Green Curled Mammoth.....	.05	.15
Burpee's Stringless .....	.10	.25	Egyptian Early Blood Turnip.....	.05	.10	Ever-White Mammoth .....	.05	.15
Knife Blade .....	.10	.25	Eclipse .....	.05	.10	<b>KALE</b>		
Early Yellow Six Weeks.....	.10	.25	Edmund's Blood Turnip.....	.05	.10	Dwarf Green Curled Siberian.....	.05	.20
Refugee .....	.10	.25	Detroit Dark Red Turnip.....	.05	.10	Dwarf Curled Scotch.....	.05	.20
Refugee Stringless .....	.10	.25	Improved Early Blood Turnip.....	.05	.10	<b>KOHL-RABI</b>		
Imp. Red Valentine.....	.10	.25	Long Smooth Blood Red.....	.05	.10	White Vienna .....	.05	.25
Tennessee Green Pod.....	.10	.25	Swiss Chard Lucullus.....	.05	.10	Early Purple Vienna.....	.05	.25
Dwarf Horticulture .....	.10	.25	Early Wonder .....	.05	.10	Early White Erfurt.....	.05	.25
Henderson's Bush Lima.....	.10	.25	Fire Ball .....	.05	.10	<b>LEEK</b>		
Burpee's Bush Lima.....	.10	.25	<b>MANGEL WURZEL</b>		London Flag .....	.10	.20	
Fordhook Bush Lima.....	.15	.25	Mammoth Long Red.....	.05	.10	<b>LETTUCE</b>		
<b>WAX BEANS—Bunch</b>			Norbiton's Giant .....	.05	.10	Grand Rapids Forcing.....	.05	.10
Dwarf Golden Wax.....	.10	.25	Golden Tankard .....	.05	.10	Denver Market .....	.05	.10
German Black Wax.....	.10	.25	Champion Yellow Globe.....	.05	.10	Black Seeded Simpson.....	.05	.10
Pencil Pod Wax.....	.10	.25	Red Globe .....	.05	.10	Early Curled Simpson.....	.05	.10
Challenge Black Wax.....	.10	.25	Improved White Sugar.....	.05	.10	Hanson Improved, head.....	.05	.10
Currie's Rust Proof Wax.....	.10	.25	<b>BRUSSELS SPROUTS</b>		Prize Head .....	.05	.10	
Davis Kidney Wax.....	.10	.25	Hercules .....	.05	.25	Big Boston, head.....	.05	.10
Round Pod Kidney Wax.....	.10	.25	<b>CABBAGE</b>		White Summer Cabbage, head.....	.05	.10	
Wardwell's Kidney Wax.....	.10	.25	Yellow Resistant .....	.10	.40	Philadelphia Butter .....	.05	.10
Kentucky Wonder Wax, pole.....	.10	.25	Golden Acre .....	.10	.20	All Seasons .....	.05	.10
<b>BEANS—Pole or Running</b>			Chinese Cabbage, Pe-Tsai.....	.10	.20	Early Curled Silesia.....	.05	.10
White Cornfield .....	.10	.25	Copenhagen .....	.10	.20	New York Wonderful.....	.10	.15
White Creaseback .....	.10	.25	Extra Early Jersey Wakefield.....	.10	.20	Iceberg .....	.05	.10
Striped Creaseback .....	.10	.25	Charleston, or Large Wakefield.....	.10	.20	Paris White Cos.....	.05	.10
Kentucky Wonder .....	.10	.25	Early Drumhead, flat.....	.10	.20	May King .....	.05	.10
Kentucky Cut Short.....	.10	.25	Early Winningstadt, pointed.....	.10	.20	Wayahead .....	.05	.10
Horticultural Pole .....	.10	.25	Henderson's Early Summer, flat.....	.10	.20	California Cream Butter.....	.05	.10
Lazy Wife .....	.10	.25	All Seasons .....	.10	.20	<b>MUSKMELON</b>		
Dutch Case Knife.....	.10	.25	Sure Head, flat.....	.10	.20	Acme, or Baltimore.....	.05	.10
Large White Lima.....	.10	.25	Henderson's Succession, flat.....	.10	.20	Chicago Market .....	.05	.10
King of the Garden.....	.10	.25	Early Dwarf Flat Dutch.....	.10	.20	Extra Early Nutmeg.....	.05	.10
Sieve Lima .....	.10	.25	<b>CABBAGE—Late Sorts</b>		Jenny Lind .....	.05	.10	
Speckled Lima .....	.10	.25	Premium Late Flat Dutch, flat.....	.10	.20	Golden Netted Gem.....	.05	.10
Missouri Wonder .....	.10	.25	Drumhead Savoy, flat head.....	.10	.20	Hackensack, early .....	.05	.10
White Kentucky Wonder .....	.10	.25	Danish Ball Head.....	.10	.30	Extra Early Hackensack.....	.05	.10
Navy .....	.10	.25	Red Rock .....	.10	.35	Large Green Nutmeg.....	.05	.10
<b>PEAS—Wrinkled Sorts Marked *</b>			Red Dutch .....	.10	.20	Long Yellow Cantaloupe.....	.05	.10
Alaska, 2-ft.....	.10	.25	<b>CAULIFLOWER</b>		Champion Market .....	.05	.10	
Dwarf Tom Thumb, 12-in.....	.10	.25	Extra Small Leaved Erfurt.....	.25	...	Rocky Ford .....	.05	.10
First and Best, 2-ft.....	.10	.25	Early Snowball, true.....	.25	...	Banana .....	.05	.10
Philadelphia Extra Early.....	.10	.25	<b>CARROTS</b>		Honey Dew .....	.05	.10	
*Bliss American Wonder .....	.10	.25	Chantenay .....	.05	.10	Salmon Tinted Pollock.....	.05	.10
*Little Gem, 18-in.....	.10	.25	Extra Early French Forcing.....	.05	.10	Hearts of Gold .....	.05	.10
*Delicatessen Dinner, 2-ft.....	.10	.25	Ox Heart .....	.05	.10	Montreal Market .....	.05	.10
*Nott's Excelsior, 15-in.....	.10	.25	Danvers .....	.05	.10	Osage .....	.05	.10
*Horsford's Market Garden.....	.10	.25	Long Orange Improved.....	.05	.10	Tip Top .....	.05	.10
*Stratagem, 3-ft.....	.10	.25	New Coreless .....	.05	.10	Hale's Best .....	.05	.10
*Telephone, 4-ft.....	.10	.25	<b>CELERY</b>		Honey Ball .....	.05	.10	
*Champion of England, 5-ft.....	.10	.25	Giant Pascal .....	.10	.25	<b>WATERMELON</b>		
*Bliss Everbearing, 2-ft.....	.10	.25	Golden Self Blanching, true.....	.10	.40	Sweetheart .....	.05	.10
Large White Marrowfat, 5-ft.....	.10	.25	White Plume .....	.10	.25	Long Dixie .....	.05	.10
Black Eyed Marrowfat, 5-ft.....	.10	.25	Dwarf Golden Plume .....	.10	.40	Wonderful Sugar .....	.05	.10
*Gradus, 3-ft.....	.10	.25	Celery for Flavoring .....	.10	...	Cuban Queen .....	.05	.10
*Thomas Laxton, 3-ft.....	.10	.25	<b>CELERIAC</b>		Georgia Rattlesnake .....	.05	.10	
*Laxton's Progress, 18-in.....	.10	.25	Turnip Rooted .....	.05	.25	Kolb's Gem .....	.05	.10
*Little Marvel, 18-in.....	.10	.25	<b>COLLARDS</b>		Mountain Sweet .....	.05	.10	
*Potlatch, 3-ft.....	.10	.25	Georgia .....	.05	.15	Peerless, or Ice Cream.....	.05	.10
*Yorkshire Hero, 2½-ft.....	.10	.25	<b>CORN SALAD</b>		Florida Favorite .....	.05	.10	
*Laxtonian, 20-in.....	.10	.25	Large Leaved .....	.05	.15	Special Kleckley Sweet .....	.10	.15
Dwarf Grey Sugar (Edible Pod) .....	.10	.25	<b>CUCUMBER</b>		Kleckley Sweet .....	.05	.10	
Tall Melting Sugar (Edible Pod) .....	.10	.25	Evergreen White Spine.....	.05	.10	Alabama Sweet .....	.05	.10
<b>SWEET CORN—Northern Grown</b>			Improved Long Green.....	.05	.10	Halbert's Honey .....	.05	.10
Early Minnesota, early dwarf.....	.10	.25	Westerfield's Chicago Pickle.....	.05	.10	Special Halberts .....	.10	.15
Sweet, or Sugar, early.....	.10	.25	Early Cluster .....	.05	.10	Tom Watson .....	.05	.10
Crosby's Early .....	.10	.25	Early Frame .....	.05	.10	Special Tom Watson .....	.10	.15
Early Mammoth, 2nd early.....	.10	.25	Boston Pickling .....	.05	.10	Special Irish Gray .....	.10	.15
Adams' Early .....	.10	.25	Early Fortune .....	.05	.10	New Wonder .....	.05	.10
Adams' Extra Early, earliest.....	.10	.25	Japanese Climbing .....	.05	.10	Stone Mountain .....	.05	.10
Golden Bantam .....	.10	.25	Gherkin .....	.05	.10	Golden Honey (Yellow) .....	.05	.10
Country Gentleman, Shoe Peg .....	.10	.25	Davis Perfect .....	.05	.10	Angel Kiss .....	.05	.10
Late Mammoth, large.....	.10	.25	White Wonder .....	.05	.10	Winter Melon .....	.05	.10
Egyptian, large .....	.10	.25	Snow's Perfection .....	.05	.10	Citron .....	.05	.10
Stowell's Evergreen, surest.....	.10	.25	<b>ONION</b>					
Black Mexican .....	.10	.25						
Golden Sunshine .....	.10	.25						
Howling Mob .....	.10	.25						
Golden Giant .....	.10	.25						
Shaker Early .....	.10	.25						
Golden Evergreen .....	.10	.25						
Kendals Early Giant.....	.10	.25						
Early Evergreen .....	.10	.25						
<b>POP CORN</b>								
White Rice, No. 1 bulk.....	.10	...						
Japanese Hulless .....	.10	...						
Dynamite, S. American.....	.10	...						

Order your Garden Seed early. Several varieties of Garden Seed are very short.

ONION—(Continued)	Pkt.	Oz.	RADISHES—(Continued)	Pkt.	Oz.	TOMATOES—(Continued)	Pkt.	Oz.
White Portugal, or Silver Skin	.10	.20	St. Louis Summer	.05	.10	Crimson Cushion	.10	.50
Yellow Bermuda	.10	.20	French Breakfast	.05	.10	Ponderosa	.10	.50
Crystal White Wax	.10	.20	Long Scarlet Short Top	.05	.10	Yellow Ponderosa	.10	.50
Sweet Spanish	.10	.20	White Strassburg	.05	.10	Dwarf Ponderosa	.10	.50
Denia (Imp. Prize Taker)	.10	.20	Icicle	.05	.10	Bonny Best	.10	.40
MUSTARD			White Vienna, or Lady Finger	.05	.10	June Pink	.10	.40
Ostrich Plume	.05	.10	Chartier Improved	.05	.10	Chalk's Early Jewel	.10	.40
Black or Brown	.05	.10	Round Black Spanish	.05	.10	Marglobe	.10	.40
White	.05	.10	California White Winter	.05	.10	Marglobe Certified	.10	.50
Chinese Curled	.05	.10	China Rose Winter	.05	.10	Golden Queen (yellow)	.10	.50
Giant Southern Curled	.05	.10	Sparkler (White Tip)	.05	.10	Beefsteak	.10	.50
OKRA OR GUMBO			SALSIFY			Gulf State Market	.10	.40
Long Green	.05	.10	Mammoth Sandwich Island	.10	.25	Red Head	.10	.40
White Velvet	.05	.10	SPINACH			Norton Wilt Resistant	.10	.40
Mammoth Pod	.05	.10	Bloomsdale Savoy Leaved	.05	.10	Oxheart	.10	.50
PARSLEY			Round Thick Leaf	.05	.10	Break O' Day	.10	.50
Moss Curled, very fine	.05	.15	All Season	.05	.10	Pear Shaped Red	.10	.40
Triple Curled	.05	.15	New Zealand	.05	.10	Pear Shaped Yellow	.10	.40
PARSNIPS			YUCCA			Strawberry or Husk	.10	.40
Hollow Crown	.05	.10	Yellow Bush	.05	.10	Yellow Plum	.10	.40
Long Smooth	.05	.10	White Bush Mammoth	.05	.10	TURNIPS		
White Dutch	.05	.10	Giant Summer Crookneck	.05	.10	Extra Early Purple Top Milan	.05	.15
PEPPERS			Winter Crookneck	.05	.10	Extra Early White Top Milan	.05	.15
Chinese Giant	.10	.45	Hubbard	.05	.10	Early White Flat Dutch	.05	.10
Pimento	.10	.45	Golden Hubbard	.05	.10	Purple Top Strap Leaf	.05	.10
Large Bell, or Bull Nose	.10	.45	Chicago Warty Hubbard	.05	.10	Purple Top White Globe	.05	.10
Cayenne, long red	.10	.45	Mammoth Hubbard	.05	.10	Snow Ball	.05	.10
Cayenne, small	.10	.45	Delicious	.05	.10	Pomeranian White Globe	.05	.10
Golden Queen	.10	.45	Fordhook, Veg. Marrow	.05	.10	White Egg	.05	.10
Sweet Mountain	.10	.35	Sweet Potato	.05	.10	Amber Globe	.05	.10
Ruby King	.10	.45	Banana	.05	.10	Cowhorn	.05	.10
California Wonder	.10	.45	TOBACCO			Yellow Globe	.05	.10
Red Chile	.10	.45	Yellow Pryor	.10	.50	Seven Top	.05	.10
PUMPKINS			Red Burley	.10	.50	Shogoin Louse Resistant	.05	.10
Common Field, Stock	.05	.10	Missouri Broad Leaf	.10	.50	RUTABAGAS, OR SWEDISH TURNIP		
Kentucky Field, Stock	.05	.10	Big Havana	.10	.50	American Purple Top	.05	.10
Large Cheese, all purpose	.05	.10	One Sucker	.10	.50	White Russian	.05	.10
Tennessee Sweet, for pies	.05	.15	Judy's Pride	.20	1.00	SWEET PEAS		
Japanese Pie, for pies	.05	.15	TOMATOES			Choice Mixed	.05	.10
Jonathan, for pies	.05	.15	(High Class Tested Stock for Canners)			Spencer Mixed	.10	.20
Small Sugar, for pies	.05	.15	New Stone	.10	.25	NASTURTIUMS		
King of Mammoth, for pies	.05	.15	Greater Baltimore	.10	.25	Tall Mixed	.10	.20
White Cushaw, for pies	.05	.15	Matchless	.10	.25	Dwarf Mixed	.10	.20
Striped Cushaw, for pies	.05	.15	Red Rock	.10	.25	Castor Beans, Flowering	.10	.20
RHUBARB			John Baer	.10	.25	HERBS		
Victoria	.10	.15	Dwarf Stone	.10	.40	Basil, Sweet	.10	
Linnaeus	.10	.15	Acme	.10	.40	Caraway	.10	
RADISHERS—French Grown Seed			Livingston's Beauty	.10	.25	Dill	.10	
Vick's Scarlet Globe	.05	.10	Livingston's Perfection	.10	.25	Fennel	.10	
Crimson Giant Forcing	.05	.10	Livingston's Globe	.10	.40	Sage	.10	
Early Scarlet White Tipped	.05	.10	Dwarf Champion	.10	.40	Summer Savory	.10	
Early Scarlet Turnip	.05	.10	Sparks Earliana	.10	.40	Sweet Marjoram	.10	
						Sweet Thyme	.10	

## VEGETABLE SEEDS PLANTING GUIDE

Vegetable	Average Number of Seed per Ounce	To Produce a Given No. of Plants	Amount Required for 100 Ft. of Drill	Amount Required of Seed Per Acre	Depth of Planting	Days of Maturity	NUMBER OF PLANTS TO THE ACRE AT GIVEN DISTANCES	
							Dis. Apart	No. Plants
Asparagus	1,000	1 oz. to 800	1 oz.	5 lbs.	1 in.	2 yrs.	12 x 1 in.	522,720
Beans, Dwarf	100	.....	1 lb.	60 lbs.	1 in.	45 to 70	12 x 3 in.	174,240
Beans, Pole	100	.....	½ lb.	30 lbs.	1 in.	63 to 74	12 x 12 in.	43,560
Beets, Garden	1,750	.....	1 oz.	6 lbs.	1 in.	50 to 60	16 x 1 in.	392,040
Beets, Mangel	1,200	.....	1 oz.	5 lbs.	5 lbs.	100 to 130	18 x 1 in.	348,480
Brussels Sprouts	6,500	1 oz. to 5,000	¼ oz.	2 oz.	½ in.	100 to 120	18 x 3 in.	116,160
Cabbage	5,000	1 oz. to 4,000	¼ oz.	4 oz.	½ in.	*62 to 105	18 x 12 in.	29,040
Carrots	14,000	.....	½ oz.	2 lbs.	½ in.	60 to 85	18 x 18 in.	19,360
Cauliflower	5,000	.....	¼ oz.	1 oz.	½ in.	*52 to 90	20 x 1 in.	313,635
Celery	100,000	.....	¼ oz.	4 oz.	⅛ in.	120 to 150	20 x 20 in.	15,681
Collards	5,000	.....	¼ oz.	4 oz.	½ in.	100 to 120	24 x 1 in.	261,360
Corn, Sweet	125	.....	¼ lb.	12 lbs.	1 in.	76 to 110	24 x 18 in.	15,520
Cucumbers	1,000	.....	½ oz.	2 lbs.	1 in.	52 to 72	24 x 24 in.	10,890
Eggplant	4,000	1 oz. to 2,000	⅛ oz.	4 oz.	½ in.	100 to 150	30 x 1 in.	209,088
Endive	13,500	.....	1 oz.	2 lbs.	½ in.	85 to 100	30 x 6 in.	34,848
Kale	7,500	1 oz. to 5,000	¼ oz.	1 lb.	½ in.	55 to 125	30 x 12 in.	17,424
Kohl-rabi	7,000	.....	¼ oz.	1 lb.	½ in.	55 to 60	30 x 16 in.	13,068
Leek	8,000	.....	½ oz.	4 lbs.	½ in.	120 to 150	30 x 20 in.	10,454
Lettuce	16,000	.....	½ oz.	3 lbs.	½ in.	61 to 82	30 x 24 in.	8,712
Melon, Musk	1,200	.....	½ oz.	2 lbs.	1 in.	80 to 115	30 x 30 in.	6,970
Melon, Water	225	.....	1 oz.	2 lbs.	1 in.	85 to 130	36 x 3 in.	58,080
Mustard	18,000	.....	¼ oz.	1 lb.	¼ in.	40 to 80	36 x 12 in.	14,520
Okra	425	.....	2 oz.	8 lbs.	1 in.	90 to 140	36 x 18 in.	9,680
Onion	12,500	.....	1 oz.	4 lbs.	½ in.	125 to 150	36 x 24 in.	7,260
Parsley	17,500	.....	¼ oz.	3 lbs.	⅛ in.	65 to 110	36 x 36 in.	4,840
Parsnips	2,800	.....	½ oz.	3 lbs.	½ in.	125 to 150	42 x 12 in.	12,446
Peas	50 to 150	.....	1 lb.	60 lbs.	1 in.	68 to 82	42 x 24 in.	6,223
Peppers	4,000	1 oz. to 2,000	⅛ oz.	2 oz.	½ in.	*55 to 85	42 x 36 in.	4,148
Pumpkins	100	.....	½ oz.	4 lbs.	1 in.	75 to 150	48 x 12 in.	10,890
Radishes	5,000	.....	1 oz.	10 lbs.	½ in.	23 to 43	48 x 18 in.	7,790
Salsify	4,500	.....	1 oz.	8 lbs.	½ in.	115 to 175	48 x 24 in.	5,445
Spinach	3,000	.....	1 oz.	8 lbs.	1 in.	40 to 50	48 x 30 in.	4,356
Squash, Summer	300	.....	½ oz.	4 lbs.	1 in.	65 to 70	48 x 36 in.	3,630
Squash, Winter	125	.....	½ oz.	2 lbs.	1 in.	100 to 140	48 x 48 in.	2,723
Tomatoes	7,500	1 oz. to 3,000	⅛ oz.	1½ oz.	½ in.	*64 to 85	60 x 36 in.	2,901
Turnips	10,000	.....	½ oz.	1 lb.	¼ in.	50 to 75	60 x 48 in.	2,178

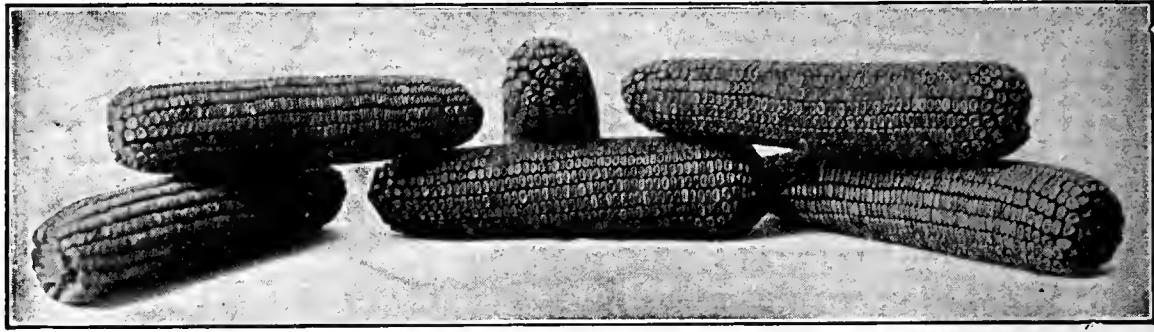
Approximate number of feet of row per acre at given distances:  
 Distance between rows      Feet of row  
 18 inches ..... 29,010  
 24 inches ..... 21,758  
 30 inches ..... 17,427  
 36 inches ..... 14,526  
 42 inches ..... 12,439  
 48 inches ..... 10,853

(\* This applies to date from transplanting to field.)

## SEED CORN

Shelled Corn, 56 lbs. a bushel. Ear Corn, shuck off, 65 lbs. Ear Corn, shuck on, 70 lbs.

There is positively no comparison between our Seed Corn and the average corn. Our Seed Corn is hand picked, nubbed, tipped, butted, graded and tested for germination.



**BOONE COUNTY WHITE.** (The Old Reliable White Corn.) In general appearance this corn is pure white, large ears and deep, medium rough kernels. It is particularly adapted for milling purposes, making a fine white meal.

**ST. CHARLES WHITE.** The famous Ensilage Corn of the South. We have improved this type and have perfect success with it in this climate. Matures in 110 to 115 days. Pure white corn, red cob, medium small; grain extra deep, ear transparent white.

**IOWA SILVER MINE.** Ninety-day corn. It has not a large growth of fodder, having been bred essentially for grain, though it has plenty of blades to support the growth, and is as well-rooted as any corn grown.

**JOHNSON COUNTY WHITE DENT.** Tips fill well over the end and a large per cent of the ears are entirely covered with grains; the butts are well-rounded out, with a medium sized shank; kernels very uniform, wedge-shaped; pure white cob.

**HICKORY KING.** This is an entirely distinct variety among the white corn, combining the largest grain with the smallest cob. It is a great yielder, giving more shelled corn to the acre bulk of ears than any other variety. The grain makes most excellent hominy.

**NEAL'S PAYMASTER.** 100-day corn. Is well suited for both lowland and upland. Produces a medium stalk with two good ears, broad white grains on a red cob, fills out well.

**IMPROVED LEAMING.** Ninety-day corn. Improved Leaming is medium early. The ears are large with very deep bright yellow kernels. The cob is small. The stalks grow to a medium height and often produce two large ears and make first-class fodder.

**REID'S YELLOW DENT.** Thoroughbred, pedigreed, carefully selected stock. It is of handsome shape and color and largely grown for exhibiting at fairs, and is used by many corn schools as a standard for judging, and is too well known to require lengthy description. Matures in about 115 days.

**IOWA GOLD MINE.** It is early ripening. The ears are of good size and shape and of a bright golden yellow color.

**GATE POST.** This is now one of the most prominent late varieties of Yellow Dent Corn in the country. It matures in about 115 days.

**IMPROVED GOLDEN BEAUTY.** The ears are of perfect shape, with straight rows of bright yellow grain, remarkable in size and filled out completely to the extreme end of the cob. Matures in 100 days.

**STRAWBERRY CORN.** Extra large ear, grain red and white striped.

**BLOODY BUTCHER.** Very late. Grain red and yellow.

**SWEET CORN FOR FODDER.** It has the great merit of being so sweet and palatable that cattle eat every part of the stalks and leaves and consequently none is wasted.

**MEXICAN JUNE CORN.** One of the standard silo corns; good big stalks and ear.

**TREAT SEED CORN with NEW IMPROVED SEMESAN JR.—Treatment of heavily diseased seed increases yields as much as 21 bushels per acre.**

## FARM and FIELD SEEDS

**ALFALFA.** 60 pounds a bushel, sow 20 pounds per acre. Is a perennial legume and will produce more choice feed per acre than any other crop.

**GRIMM ALFALFA.** 60 pounds a bushel, sow 20 to 25 pounds per acre, differing in type, having the lateral or branching root system in place of the usual main tap root of most alfalfas.

**MEDIUM RED CLOVER.** 60 pounds a bushel, sow 8 to 12 pounds per acre. One of the most valuable legumes of the clover family. Cut for hay or plow under for soil fertility.

**MAMMOTH or SAPLING CLOVER.** 60 pounds a bushel, sow 8 to 12 pounds per acre. Resembles the Medium Red but grows coarser and more vigorous.

**ALSIKE CLOVER.** 60 pounds a bushel, sow 4 to 8 pounds per acre. Grows in wet bottom land also on upland loamy soils, makes wonderful hay and pasture, sown with other grasses.

**WHITE DUTCH CLOVER.** 60 pounds a bushel, sow 4 to 8 pounds per acre. Very hardy, used extensively for permanent pasture and lawns.

**SWEET CLOVER.** 60 pounds a bushel, sow 20 pounds per acre. Resembles Alfalfa both as to appearance and habit of growth when young. Good land builder, does best on soils containing lime.

**HUBAM CLOVER.** 60 pounds a bushel, sow 20 to 25 pounds per acre broadcast. Annual Sweet Clover instead of perennial.

**JAPAN CLOVER or COMMON LESPEDEZA.** 25 pounds a bushel, sow 15 to 25 pounds per acre. Grows most anywhere providing pasture and on some soils makes hay.

**TIMOTHY.** 45 pounds a bushel, sow 12 to 15 pounds per acre. It is the best known and most extensively grown tame grass in the country.

**TIMOTHY and ALSIKE.** 45 pounds a bushel, sow 15 to 20 pounds per acre. Adapted for the same kind of soils, matures at the same time, producing a good crop of hay or pasture.

**TIMOTHY and CLOVER.** 45 pounds a bushel, sow 15 to 20 pounds per acre. A very practical mixture for hay.

**KENTUCKY BLUE GRASS.** 14 pounds a bushel, sow 20 to 30 pounds per acre. The foundation of hardy lawns and a natural pasture grass.

**RED TOP.** 14 pounds a bushel, sow 15 to 20 pounds per acre. A hay and pasture grass, succeeds on most kinds of soils, especially wet natured land.

**ORCHARD GRASS.** 14 pounds a bushel, sow 14 pounds per acre. Hay and pasture grass furnishes good pasture both very early spring and late fall. Coarse growing bunch grass.

**MEADOW FESCUE or ENGLISH BLUE GRASS.** 24 pounds a bushel, sow 20 to 30 pounds per acre. Valuable, hardy pasture grass, suited almost to every climate, dry or wet, hot or cold.

## FERTILIZERS

YOU WILL BE SATISFIED, TOO!

Use some of that improved Red Steer Fertilizer yourself this year and be one of the thousands who are getting the most from their crops. Swift's Red Steer Fertilizer is now BOTH Non-Acid Forming and Physiologically Neutral. Your neighbor has probably told you what this means in terms of better corn, wheat, barley, oats, potatoes, tomatoes, and other truck and field crops.

Cash in on the benefits this modern development of science can give you. It costs no more than ordinary fertilizer.

We recommend it and have on hand the proper analysis for your farm. Prices on request.



Write for prices on Field Seeds, if your local merchant cannot supply you with STAR BRAND SEEDS. Please mention his name.



## Star Brand IN SEALED BAGS, PURITY AND GERMINATION CERTIFICATE ATTACHED

For forty years the farmers of the Ozarks have put their faith in "Star Brand Seeds" in sealed bags. Why? Because "Star Brand" Seeds are of the highest type, fully matured, perfectly recleaned, analyzed for purity and tested for germination. To enable you to secure your seeds at the lowest price we have local representatives in every community who order their seeds in large quantities or car-load lots. You can save money by ordering through our local representative.

**GERMAN MILLET.** We secure our Big German Millet seed only from the section that produces Big Type German Millet. The best of the millets, it is very prolific and produces an abundance of good hay when cut in the bloom stage. Makes a good catch crop following wheat or oats and its quick growth insures you of a large quantity of sweet, palatable and milk-producing hay. Is sometimes sown with early cowpeas at the rate of three pecks of millet to a bushel of cowpeas. Be sure to get the true type Big German Millet as it is not to be compared to other varieties.

**KOREAN LESPEDEZA.** The finest of legumes for reclaiming worn out soil. A good drought resistant; it has won the distinction of being the best Summer Legume pasture which so far has been introduced in this country. It will stand heavy grazing from early summer until killed by frost. Is ideal in permanent pasture mixtures with Blue Grass, Orchard Grass or Red Top, Alsike and White Clover, and matures before smothering out of the fall

grasses. Makes an excellent hay, comparing favorably with Alfalfa in feeding value. No preparation of the seedbed is necessary; it is adapted to any soil, and is at its best when other grasses and clovers are dormant. Sow 20 to 25 pounds per acre alone, or 10 pounds per acre in pasture mixtures. Although an annual it reseeds itself where seed is allowed to mature.

**ATLAS SORGO.** Produced more grain and forage in 1938 than any other sorghum. Many crops produced 10 to 20 tons per acre. The most popular of the grain sorghums. It is an enormous yielder of both forage and grain. The stalk and branches are both sweet and the grain is the most palatable of all the sorghums. It is the most valuable grain sorghum to grow because of its drought resisting qualities.

**CRIMSON CLOVER.** Sow 20 pounds per acre. Makes an excellent green grazing crop during the winter and early spring. Very practical to sow with the fall seeding grains and is a splendid soil improving crop.

**SUDAN GRASS.** A quick growing summer hay grass, often yielding two or three cuttings a season. The entire plant is eaten by stock and well liked. More and finer hay is secured when the seed is sown broadcast and often produces four tons or more to the acre. As an emergency pasture crop Sudan Grass has few equals. Also used as ensilage and has about an equal value to corn silage. It is a very good drought resistant. Should be sown about two weeks after corn planting time, but can be sown up to the first week in July.



## GRASS SEEDERS



**CAHOON.** A splendid seed sower that will pay for itself in a few days in the time saved. Each.....\$3.50  
**CYCLONE.** Each..... 2.00  
**THE HORN.** Each..... 1.00

Postage extra, 15c each.

### AN EXCELLENT PASTURE MIXTURE AND HAY CROP

Sow to the acre 1 bushel of Winter Barley and 10 lbs. each of Crimson Clover and Winter Vetch. This combination makes a hay of excellent quality which is ready for harvest early in the spring.

## MCQUEEN'S

### SUPERIOR MULTIPLE-STRAIN GUARANTEED INOCULANT

Specify size of unit and name of seed.

Alfalfa, all Clovers	Soy Beans, Cow Peas, Lespedeza, Garden Beans Peanuts and Lima Beans
Size                      Retail	
1/2 bu. ea. .... \$ .30	
1 bu. ea. .... .50	
2 1/2 bu. ea. .... 1.00	

Vetch, Austrian Winter Peas, Field and Garden Peas	Size                      Retail
1 bu. ea. .... \$ .30	
2 bu. ea. .... .50	
5 bu. ea. .... 1.00	
*10 bu. ea. .... 1.60	
*20 bu. ea. .... 2.40	
*Packed only for Vetch & Aust. Peas	Packed only for Soy Beans

**GARDEN PACKET** — Inoculates up to 5 lbs. of seed. For Peas, Beans, Sweet Peas, Lima Beans, Lupines.

## FARM and FIELD SEEDS—(Cont'd)



**DOMESTIC RYE GRASS.** 24 pounds a bushel, sow 40 to 50 pounds per acre. A perennial, fine leaved grass, valuable as a green forage plant on land not easily cultivated.

**BROME GRASS or BROMUS INERMIS.** 14 pounds a bushel, sow 20 pounds per acre. Noted for its drouth resisting qualities and is adapted to many soils. Big producer, makes good pasture.

**BUCKWHEAT.** 52 pounds a bushel, sow 25 pounds per acre. There are two distinct varieties, Japanese and Silverhull. The Japanese variety is regarded earlier. They can be sown as second crop following Barley, Rye, Wheat and Oats. Good for bees.

**WINTER BARLEY.** Mo. Early Beardless. 48 pounds a bushel, sow 95 to 100 pounds per acre. It makes a quick growing crop of most excellent and nutritious feed either to use green or cure for hay. About ten days earlier than other Winter Barley.

**WINTER BARLEY.** Beardless, 48 pounds a bushel, sow 95 to 100 pounds per acre. A good grain and pasture plant but not as good producer as the bearded variety.

**WINTER BEARDED BARLEY.** 48 pounds a bushel, sow 95 to 100 pounds per acre. A very hardy variety and is used for heavy pasturing during the winter months, from which large yield of grain may be harvested. The best winter pasture variety.

**BROOM CORN.** 48 pounds a bushel, plant 5 to 8 pounds per acre. We handle the four standard varieties, Improved Evergreen, Dwarf Evergreen, Black Spanish and White Italian.

**RAPE.** Dwarf Essex, 56 pounds a bushel, sow 8 pounds per acre. Provides pasture for all kinds of stock. Makes a large yield of green forage per acre and is very fattening. A good green manure crop.

**SUNFLOWER.** Mammoth Russian, sow 7 pounds per acre. Produces heads of an immense size, 15 to 20 inches in diameter, fine for poultry.

**RYE.** Winter and Spring, 56 pounds a bushel, sow 1 to 1½ bushels per acre. Has long been recognized as one of our best grains for winter pasture.

**VETCH.** Sand or Hairy and Spring, 60 pounds a bushel, sow 60 pounds per acre. Splendid variety of forage plant, hardy, valuable winter cover crop. Land builder.

**FLAX FOR SOWING.** 56 pounds a bushel, sow 35 pounds per acre. Grown in several states for the seed.

**FETERITA.** 50 pounds a bushel, sow 25 pounds per acre. The grain is white, large and softer than Kaffir. Matures early.

**TEOSINTE.** 2 to 3 pounds plants an acre. Can be cut several times during the season yielding enormously in warm climates.

**MUNG BEANS.** 8 pounds of seed plant an acre. Seeds are small, matures about 15 days earlier than Soy Beans or Cow Peas and produce larger cuttings of hay.

**Egyptian WHEAT or SHALLU.** 10 lbs. of seed to the acre in drills. Makes large heads and famous for hen feed.

**OATS.** 32 pounds a bushel, sow 1 to 2½ bushels per acre. Leading varieties for the Ozarks: Texas Red Rustproof, Lincoln White, Kanota, Winter Turf, Columbia, Fulghum.

**WHEAT.** 60 pounds a bushel, sow 90 pounds per acre. Fulsom, recleaned winter soft. Fulohio, recleaned winter soft.

**HEGARI.** 50 pounds a bushel, drill 8 to 12 pounds per acre. Resembles White Kaffir but the heads are larger, stalks contain more sugar.

**FODDER CANE SEED.** 50 pounds a bushel, sow 75 to 100 pounds per acre. For fodder. Leading varieties used: Early Orange, Standard Orange, Early Black Amber, Grohoma, Red Top, Texas Seeded Ribbon, Japanese Honey Drip, Darso.

**MILLET.** 50 pounds a bushel, sow 25 pounds per acre. The German type is most widely grown. **WHITE WONDER** is also very popular, produces even larger heads than the German type. **HOG MILLET** or Manitoba not so much for hay but yields enormous quantities of seed. **JAP MILLET** or Billion Dollar Grass, a wonderful hay producer, adapted to all sections and especially fine for low ground.

**MILO MAIZE.** 50 pounds a bushel, sow 40 pounds to the acre. A bigger grower, noted for its drouth resisting qualities.

**WHITE KAFFIR CORN.** 50 pounds a bushel, sow 25 pounds per acre. Standard of all kaffirs.

**SUDAN GRASS.** 40 pounds a bushel, sow 25 pounds per acre. A tall, leafy, annual grass of the sorghum family. Wonderful hay and pasture crop.

**COW PEAS.** 60 pounds a bushel, plant broadcast 60 pounds to an acre. Drilled ¼ bushel per acre. There is no cheaper way to improve poor land than by growing Cow Peas. They add nitrogen and improve the mechanical condition of the soil. Leading varieties are: Whippoorwill, Black Eye, Mixed, New Era, The Clay, Canada Field, Red Ripper, Sugar Pea, Blue Goose, Brown Eyed, Lady Pea.

**VELVET BEANS.** ½ bushel to the acre.

**JOHNSON GRASS.** 25 pounds a bushel. Sow 20 pounds to the acre. (Prohibited in some states.)

**SOY BEANS.** 60 pounds a bushel, plant 1 bushel per acre. They make poor land good, they make good land better. Soy Bean hay contains a high per cent of protein, is superior to Cow Peas in feeding value and as a milk and butter producer is equal to Alfalfa and superior to Cotton Seed meal. The beans and bean meal contain about 35% of digestible protein and stock eat them with relish and thrive on them. Virginia, Early Yellow, Wilson (Early Black), Illini, Laredo, Manchu.

## TREAT BEFORE PLANTING WITH **SEMESAN** FOR DISEASE PROTECTION

Quickens germination and increases the percentage of germination in seeds; produces stronger and more vigorous plants that will produce better crops; arrests or destroys most of the fungus and bacterial diseases carried on the surface of seeds, wildfire in tobacco and black rot, blights, anthracnose and blackleg in many garden vegetables. 2 to 3 ounces will treat a bushel of grain; 1 ounce treats 15 pounds of tobacco and vegetable seeds. ⅓-oz. pkt., 10c; 2-oz. can, 35c; 1-lb. can, \$2.25; 5-lb. can, \$9.90, not postpaid.

1½ CENTS AN ACRE FOR  
**SEMESAN JR.**  
REG U.S. PAT OFF  
RETURNS 2 TO 12 BUS. MORE

treat a bushel of shelled corn. 2-oz. pkt., 15c; 4-oz. can, 30c; 1-lb. can, 75c; 5-lb. can, \$3.25, not postpaid.

For Corn—Protects seed corn from rotting, allows earlier planting, hastens and increases germination and produces sturdier plants; controls seedling blight, reduces root and stalk rots, makes the stalk stand up better, improves the ear and increases the yield. Two ounces for Corn—Protects seed corn from rotting, allows earlier planting, hastens and increases germination and produces sturdier plants; controls seedling blight, reduces root and stalk rots, makes the stalk stand up better, improves the ear and increases the yield. Two ounces

TREAT WITH QUICK, EASY  
**SEMESAN BEL**  
DIP FOR LARGER POTATO CROPS

TREAT ALL CEREAL SEED WITH  
**CERESAN**  
FOR GREATER YIELDS

Lb., 70c; 5-lb. pkg., \$3.00, not postpaid.

For Cotton—Treated cotton seeds produce better stands of vigorous plants and usually increases the yield; allows earlier planting; reduces damping off; prevents seed from rotting in cold, wet soil, and controls many cotton diseases. Three ounces treats a bushel of seed.

TREAT COTTON SEED WITH  
**2% CERESAN**  
REG U.S. PAT OFF  
FOR BETTER STANDS AND YIELDS

GUARANTEED  
**MCQUEEN'S**  
HUMUS INOCULATOR



1. Pyramidal Arbor-vitae.  
2. Mugho Pine

3. Colorado Blue Spruce  
4. Koster Blue Spruce

5. American Arbor-vitae.  
6. Concolor Fir.

## EVERGREENS

Too heavy to mail. Will be shipped by freight, collect. These evergreens are field grown and have been transplanted several times to obtain an abundant supply of fibrous roots. All our evergreens are dug with a big ball of earth and carefully burlapped.

**BERCKMANN'S GOLDEN ARBOR-VITAE:** One of our most popular evergreens. Semi-dwarf in habit of growth. Tips of foliage golden yellow. Hardy.

15 to 18 inches tall.....\$1.50

**ARBOR-VITAE, EXCELSA:** Bright green foliage. Pyramidal growth. Very hardy.

2 to 3 feet.....\$1.75

3 to 4 feet ..... 2.25

**SPINY GREEK JUNIPER:** Beautiful blue-green foliage—medium height. Broad cone-shaped.

15 to 18 inches ..... \$1.50

1½ to 2 feet ..... 2.25

2 to 2½ feet ..... 3.00

**IRISH JUNIPER:** Tall slender tree. Excellent for doorways or beside the garden seat. Grey-green foliage.

2 to 3 feet.....\$1.75

3 to 4 feet ..... 2.25

**SAVIN JUNIPER:** A low spreading evergreen. Bright green foliage.

15 to 18 inch spread ..... \$1.75

18 to 24 inch spread ..... 2.25

**PFITZER'S JUNIPER:** The most popular spreading evergreen. Very hardy. Dark green foliage. Irregular type growth.

15 to 18 inches ..... \$1.75

18 to 24 inches ..... 2.25

**SCOPULORUM JUNIPER:** The Colorado Silver Juniper: Similar in growth to Red Cedar but blue in color like the Blue Spruce. Very hardy.

2 to 3 feet ..... \$3.00

3 to 4 feet ..... 3.50

**AUSTRIAN PINE:** Makes a specimen tree. Long needles. Compact in growth.

2 to 3 feet ..... \$1.75

3 to 4 feet ..... 2.50

**SCOTCH PINE:** Rapid grower. Red bark. Very hardy. A spreading tree.

2 to 3 feet ..... \$1.75

3 to 4 feet ..... 2.25

## MAKE YOUR HOME GROUNDS BEAUTIFUL

No residence, no matter how expensive, is really attractive unless the grounds and surroundings are equally beautiful. On the other hand the humblest dwelling can be made wonderfully homelike and attractive in the proper setting. The first essential is a neat, smooth, green turf. This can only be secured by the use of proper grass seed. Then the careful selection and proper placing of a few Hardy Perennials, Shrubs and Annual flower beds will complete the picture. You will find Hardy Perennials and Shrubs listed in this Catalog, pages 23 to 24.

## OUR SUPERIOR MIXED LAWN GRASS

### TO MAKE A LAWN

Remember when making a lawn that it is to last for years, and be an ornament to the home, so give plenty of time and care to preparation **before the seeds are sown**. Several weeks before sowing dig the soil deeply, break up the lumps, apply our Premier Horticultural Peat Moss and a lawn fertilizer such as VIGORO and rake the top soil; at intervals of ten days or two weeks rake the surface to destroy the weeds, and before sowing have the surface as fine as a rake will make it. Sow half the seeds, then sow the other half at right angles to the first sowing—this gives an even distribution. After sowing rake slightly so as not to cover the seeds too deep—covering with a roller is better—small seeds cannot germinate if planted too deep, an eighth of an inch is about right. Do not put stable manure on your lawn, as it adds to the many weeds already in the soil, and if not well broken up the lumps of manure will smother young grass.

Start the lawn as early as possible to give the grass a chance to become well established before the spring growth of weeds.

### Lawn Grass Mixture Required

For 150 sq. ft. (10x15 ft.) .....	1 lb.
For 300 sq. ft. (10x30 ft.) .....	2 lbs.
For 5000 sq. ft. (50x100 ft.) .....	20 lbs.
For 43560 sq. ft. (1 acre) .....	175 lbs.

Use about one-half as much for renovating old lawns.

**SUPERIOR MIXED LAWN GRASS.** Lb., 25c; 5 lbs., \$1.00, not postpaid.

**KENTUCKY BLUE GRASS.** Per lb., 25c; 5 lbs., \$1.00, not postpaid.

**WHITE DUTCH CLOVER.** Per lb., 40c; 5 lbs., \$1.80, not postpaid.

**BERMUDA GRASS.** Per lb., 50c; 5 lbs., \$2.00, not postpaid.

**CREEPING BENT GRASS.** Lb., \$1.00, not postpaid.

**VIGORO**  
*Specially prepared plant food*

### PRICES:

1-lb. pkg. ....	\$0.10	Not Prepaid
5-lb. pkg. ....	.45	25-lb. bag ..... \$1.50
10-lb. pkg. ....	.85	50-lb. bag ..... 2.50

VIGORO supplies just what is needed to produce a beautiful lawn, flowers, shrubbery and trees. It is a highly concentrated plant food, and must be applied according to instructions. Excessive applications, or too much applied in one spot, is not only wasteful but will "burn" the plants.

# ROSES

## Two-Year Field-Grown Plants

From June to October  
Sure to Bloom the First Year

**39c each; 3 for \$1.00;  
10 for \$3.00, postpaid**

Talisman

An up-to-date Rose bed in your garden, in which the choicest varieties and color combinations begin to produce beautiful flowers in June, and continue all through the summer, closing the blooming season late in the fall, even after the first light frosts. This is what you have always wanted, and what your garden needs to make it a beauty spot. This year you can afford to plant. With prices lower than ever before, and lower than they ever will be, for strictly 2-year-old, No. 1 Roses, we recommend that you plant now. Send your order in early, so that everything can be reserved for you.

### PLANTING INSTRUCTIONS

Do not expose roots to sun or drying winds. Put the roots in cold water for a few hours just before planting. Have the holes dug large enough to allow several inches of good soil all around and below the roots. Use only good surface soil to fill in. Use

several pailfuls of water to each Rose, not only to start it, but also to settle the soil firmly around the roots. The Rose should stand so deep that the union (bud) just above the root is just below the level surface of the ground.

**Starting and Pruning.** Bank up about 8 inches of soil, which is to keep the lower parts of the branches cool and moist until the Rose is started. At the same time cut back all branches to within 2 or 3 inches above the banked up soil. As soon as the new growth appears, take the soil away, leveling the ground.

### For Complete List of Roses, See Page 25

If you want beautiful flowers, use RED ARROW GARDEN SPRAY at regular intervals. Quick, sure death to sucking and chewing insects, but absolutely harmless to humans, animals and birds. The most highly concentrated pyrethrum soap solution on the market. One ounce makes 4 to 8 gallons of effective spray. See advertisement on page 32. Write today for free spray chart.

**VIGORO -- A Complete Plant Food**



Sunburst



E. G. Hill



Pink Radiance



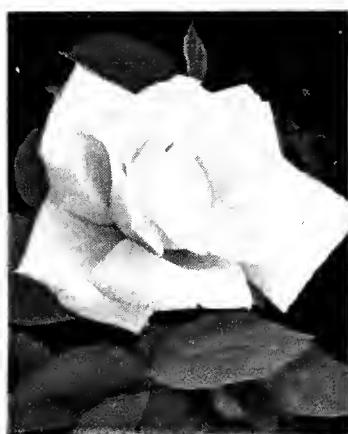
Mrs. E. P. Thom



American Beauty



Briarcliff



Kaiserin Auguste Viktoria



Caledonia



Etoile de Hollande



Mrs. Henry Bowles



Lady Hillingdon



Edith Nellie Perkins



Red Radiance

# EVERY HOME

should be beautified with  
these Flowering Shrubs



Spirea, Anthony Waterer. See page 24



Forsythia—Golden Bell. See page 24.

## Forsythia - Galden Bell

25c each; 5 for \$1.00, postpaid.  
(See page 24)

## Hydrangea P. G.

40c each; 3 for \$1.15, postpaid.  
(See page 24)

## Bridal Wreath

2 yr., 12 to 18 in. 25c each; 5 for \$1.00, postpaid.  
(See page 24)

## Buddleia Ile de France

(Butterfly Bush)  
Now! Only 25c each; 5 for \$1.00, postpaid.  
(See page 24)

## Spirea Anthony Waterer

25c each; 5 for \$1.00, postpaid.  
(See page 24)

## Silver Lace Vine

By far the fastest growing hardy vine, 20 feet or more the first year. Leaves are glossy green. Completely covered with snowy white flowers. 75c each; 2 for \$1.40, postpaid.  
(See page 24)



Silver Lace Vine. See page 24

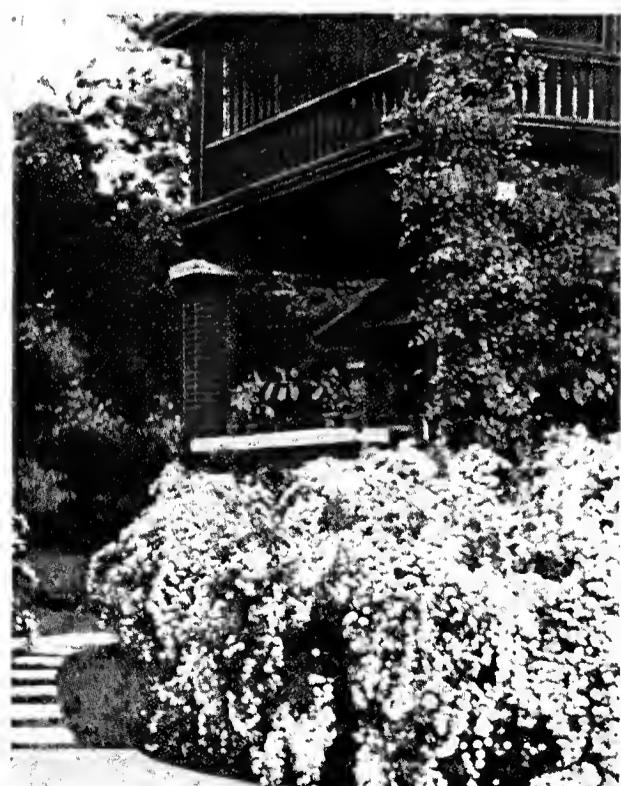
New Buddleia,  
Ile de France.  
See page 24

## Pride of Rochester

Earliest, blooming in May. Many large, double white flowers. Grows about 6 feet tall. Popular on account of its regal appearance. 2-year-old, 25c each; 5 for \$1.00. (See page 24.)



Deutzia, Pride of Rochester



Spirea Van Houttei. See page 24



Hydrangea P. G. See page 24

# FULL-OF-LIFE Strawberry Plants

Deliveries on  
Fruit Trees and  
Nursery Stock  
can be made  
throughout the  
Spring season  
from Feb. 1st to  
Apr. 15th. "Avoid  
the Rush, place  
your orders now."

## Jonathan

Best known and  
best beloved of all  
apples. Bright red  
fruit, high flavor,  
bears young and  
abundantly.

See page 21

Strawberries  
See page 22

Our list of Strawberries now consists entirely of perfect flowering sorts. See page 22.

**CULTURE.** For small gardens, plant 12 x 30 inches apart. For field culture, plant 1½ x 3 feet, requiring 8,000 plants per acre. Well drained, rich soil. Fertilize with Vigoro or Vegetable Special Fertilizer. Do not use stable manure as it will attract grubs and cut worms. Mulch in fall.

## NEW GEM Everbearing Strawberry

Has proven itself to be the most outstanding everbearing Strawberry yet introduced; vigorous, hardy plants bearing as heavily in the spring as any spring-bearing variety, yet producing an abundance of the finest berries from July to November. **Price:** 50 for \$1.00. See page 22.

## Bartlett

Ripens in August and September. Large size, buttery flavor, very juicy, and highly flavored. Bears abundantly.

See page 21

## Grimes Golden

Highest quality, good for eating out of hand, for pies, marmalade and dumplings. Bright yellow with pink cheeks.

## Springfield Seed Company's Famous Grapes

## Concord

The best blue-black grape we know. Very fine quality and very productive, and appears to be suited to all soils and most all climates.

Concord  
See page 22

## New Caco Red Grape

Considered the largest, sweetest, and most prolific Red Grape. You'll like it. See page 22.

Keep your fruit  
trees healthy and  
free from insects  
and disease.

SPRAY, consult  
page 37.

[20]

Niagara

# FRUIT SECTION

In this FRUIT SECTION we offer only varieties that have stood the test of time and have proved satisfactory FRUIT PRODUCERS in this territory. They are all good; you can't go wrong when ordering here. Plant now and enjoy the Fruits of YOUR OWN labor.

There is a garden in her face  
Where roses and white lilies grow;  
A heavenly paradise is that place,  
Wherein all pleasant fruits do flow;  
There cherries grow that none may buy,  
Till "Cherry-Ripe" themselves do cry.  
—Thomas Campion, 1619.

(Of course they can't—or won't—buy unless they want them, but who can resist the appeal of cherries, berries, or smiles? Make your offer attractive and appealing and they'll cry "Cherry-Ripe" no end.)

## APPLES

	Each	Per 5	Per 10	Per 25
2-3 ft., prepaid .....	\$0.25	\$1.05	\$1.90	\$4.25
3-4 ft., prepaid .....	.30	1.25	2.25	5.00
4-5 ft., not prepaid.....	.40	1.75	3.20	7.50

### EARLY—

**YELLOW TRANSPARENT.** Season, July. Fruit clear white, becoming pale yellow when fully ripe; flesh fine grained, of splendid quality.

**EARLY HARVEST.** Season, July. The fruit has a tart flavor, is a bright straw color, and is borne in profusion.

### FALL—

**GRIMES GOLDEN.** Highest quality; good for eating out of hand, for pies, marmalade and dumplings. Bright yellow with pink cheeks.

**JONATHAN.** Best known and best beloved of all apples. Bright red fruit, high flavor; bears young and abundantly.

### WINTER—

**RED DELICIOUS.** Fine grained, juicy, mild. A wonderful eating apple. Color light green shaded to dark red. You need this apple.

**MAMMOTH BLACK TWIG.** Fruit large, highly colored and very attractive. Tree a very strong grower.

**WINESAP.** December to April. Medium size, dark red, juicy, mild. Good to eat "as is" or for jellies, pies or marmalade.

**YELLOW DELICIOUS.** Some say the quality is better than even the Red Delicious. A dependable cropper and a good keeper.

## PEACHES

	Each	Per 5	Per 10	Per 25
2-3 ft., prepaid .....	\$0.22	\$1.00	\$1.75	\$3.25
3-4 ft., prepaid .....	.27	1.25	2.25	4.75
4-6 ft., not prepaid.....	.40	1.85	3.50	7.50

**CHAMPION (Freestone).** Flesh white with red at the pit; one of the best in quality and hardiness. Ripens midseason.

**EARLY WHEELER (Clingstone).** The best of the early peaches. Good size, white flesh, good flavor. Hardy, vigorous, productive.

**GOLDEN JUBILEE (Freestone).** Fruit of enormous size, golden yellow, rich and syrupy. Ripens extra early. A new commercial variety.

**HALEHAVEN (Freestone).** Combines the best qualities of the J. H. Hale and South Haven. Yellow meat, early. Another new variety.

**ELBERTA (Freestone).** Our best-known peach; very productive, large size; a good keeper; flesh pale yellow, tender and juicy.

**J. H. HALE (Freestone).** Very large, deep golden yellow, of delicious flavor. Tree very hardy and productive.

## PEACH COLLECTION

### SPECIAL OFFER No. 157

2 Golden Jubilee—Large, yellow-meated freestone that ripens early.

2 Rochester—High quality yellow freestone, ripens very early.

2 Halehaven—Fine flavored, well colored early freestone, hardy.

2 Heath Cling—Large, splendid quality, white meat, late.

8 Trees, all 2 to 3 feet in height for \$1.00, prepaid.

FREE with this offer, 1 Climbing Rose Bush. For additional Peach Collection see page 27.

## CRAB APPLES

**TRANSCENDENT.** Season, September. Fruit medium to large, firm and crisp, very juicy. Fine for preserves, cider, jelly.

**WHITNEY CRAB.** August and September. Large, attractive. Yellow striped red; good for dessert and culinary uses.

## CHERRIES

	Each	Per 5	Per 10	Per 25
2-3 ft., prepaid .....	\$0.40	\$1.85	\$3.50	\$8.25
3-4 ft., prepaid .....	.50	2.25	4.25	10.00
4-6 ft., not prepaid.....	.60	2.75	5.25	12.50

**EARLY RICHMOND.** Medium size, dark red, very juicy; exceedingly productive and hardy.

**MONTMORENCY.** About ten days later than Early Richmond. The famous pie cherry. The fruit is large, red, mildly acid.

## APRICOTS

	Each	Per 5	Per 10	Per 25
2-3 ft., prepaid .....	\$0.25	\$1.05	\$1.90	\$4.25
3-4 ft., prepaid .....	.30	1.35	2.50	5.50
4-5 ft., not prepaid.....	.45	2.00	3.50	8.50

**HARDY RUSSIAN (Superb).** Perfectly hardy and very productive. Fine quality, firm and solid flesh. Yellow with slight blush.

**MOORPARK.** Orange-yellow, large; flesh sweet, juicy and rich. August.

## PEARS

	Each	Per 5	Per 10	Per 25
2-3 ft., prepaid .....	\$0.30	\$1.25	\$2.25	\$5.00
3-4 ft., prepaid .....	.40	1.75	3.25	7.00
4-6 ft., not prepaid.....	.45	2.00	3.75	8.75

**BARTLETT.** Ripens in August and September. Large size, buttery flavor, very juicy; bears abundantly.

**DOUGLAS**—Ripens in late September. Larger than Bartlett, flesh fine grained, juicy and tender. Productive and blight-resistant. Bears the second year and is a sure crop.

**KIEFFER**—Ripens in October. Fruit large, juicy and melting. Tree hardy and vigorous; most profitable to grow.

## PLUMS

	Each	Per 5	Per 10	Per 25
2-3 ft., prepaid.....	\$0.25	\$1.00	\$1.80	\$4.00
3-4 ft., prepaid.....	.30	1.25	2.25	5.00
4-6 ft., not prepaid.....	.40	1.75	3.25	7.50

**AMERICA.** Fruit of golden yellow with red cheek, of good size. Almost frost-proof. Ripens in late July.

**SHROPSHIRE DAMSON.** Good for preserving. Flesh amber-colored, juicy and spicy; tree vigorous and hardy. August-September.

**WANETA.** The giant of the hardy plums. Highly flavored, richly colored red skin.

**GOLD.** Orange-yellow and red, flesh yellow, firm and meaty; a clingstone.

**SAPA.** Glossy, dark purple, red flesh. Excellent for eating right from the tree and makes the most delicious wine-colored sauce.

**OMAHA.** An early light red plum; flesh moderately firm, yellow, juicy and sweet.

# SMALL FRUITS

It doesn't take much room to grow a lot of berries, and there is a big profit in growing them, too. Just think how nice it is to have fresh strawberries, rich ripe blackberries, luscious grapes, straight from YOUR garden to your table. And jars of canned fruit, jellies, preserves, on the cellar shelves—foods fit for a queen, and a welcome addition to her diet of bread and honey.

## GRAPES

Plant in rows ten feet apart, eight feet apart in the row. Can be planted along the fence and turn that waste ground to a most profitable crop. Prices prepaid.

	Each	Per 5	Per 10	Per 25	Per 100
CONCORD. Black, midseason, large .....		\$0.10	\$0.40	\$0.70	\$1.50
MOORE EARLY. Black, early, large, sweet .....	.12	.50	.90	2.00	7.00
CACO. Red, early, large, prolific .....	.20	.75	1.45	3.25	...
FREDONIA (New). Black, early, good quality .....	.20	.75	1.45	3.25	...
NIAGARA. White, midseason, large .....	.10	.40	.70	1.50	5.00
CATAWBA. Purplish red, late, large .....	.12	.50	.90	2.00	7.00

## CONCORD GRAPE VINE SPECIAL

### SPECIAL OFFER No. 178

25 Concord Grape Vines for \$1.00, prepaid.

## STRAWBERRIES

There is more genuine enjoyment and profit to the square foot to be gotten out of a strawberry patch than from any other fruit, flower or fish I know about. Here are offered the choicest varieties of them all. Prices prepaid.

	Per 50	Per 100	Per 500
AROMA. Best market berry; ships well, ripens late .....	\$0.50	\$0.85	\$3.25
MASTODON. Best of the everbearers.....	1.00	1.75	6.95
DORSETT. Extra early, extra large berries..	.75	1.35	5.50
SENATOR DUNLAP. Midseason, prolific, fine flavor .....	.50	.85	3.25
BLAKEMORE. Fruit uniformly large, of good quality and bright color.....	.50	.85	3.25
GEM. Everbearing; berries large, round and solid, plants vigorous and hardy.....	1.00	1.75	6.95

## BLACKBERRIES - DEWBERRIES

### BLACKBERRY SPECIAL

### SPECIAL OFFER No. 181

30 Eldorado Blackberries \$1.00, prepaid.

## BLACKBERRIES

Per Dozen	Per 25	Per 100
\$0.60	\$1.00	\$3.25 prepaid

EARLY HARVEST. One of the earliest; berry medium sized, good quality and very productive.

ELDORADO. Fruit handsome in appearance and of high quality. Ripens in early midseason. Immune to blackberry rust.

## DEWBERRIES

LUCRETIA. Large sweet coreless berries, mild flavor. Make fine pies and firm jellies.

YOUNGBERRY. Black-purple berries over an inch long. Heavy yielding.

### THE BOUNTIFUL BOYSENBERRY SPECIAL OFFER No. 168

The latest thing in berries. Something extraordinary, new and different. These splendid berries average 1½ to 2 inches in length and 1 inch in diameter, twice the size of the Youngberry. Jet black, highly flavored and comparatively seedless. Vigorous grower and bountiful cropper. 15 plants for \$1.00, prepaid.

## RASPBERRIES

Per Dozen \$0.60	Per 25 \$1.00	Per 100 \$3.25 prepaid
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### BLACK—

CUMBERLAND. Fruit large and firm; keeps and ships well. Stout, well branched canes that produce immense quantities of fruit.

NEW LOGAN. Most dependable black raspberry known. Earlier than the Cumberland; a heavy cropper, though a short season.

### RED—

CHIEF. Extra early, extra large size, extra firm. Plants will stand hot, dry weather or severest winters.

LATHAM. Large fruit, richly brilliant red; most attractive. Perfectly hardy and a heavy crop producer.

ST. REGIS. Very long fruiting season. Berries of large size and of surprising quality.

### SPECIAL OFFER No. 174

25 Red Raspberries (Latham)  
25 Senator Dunlap Strawberries

\$1.00 prepaid.

FREE with this offer, 1 Pussy Willow.

## GARDEN ROOTS

### ASPARAGUS

WASHINGTON RUST-PROOF. For tender green tips in early spring. 25 roots, 35c, prepaid; 100 roots, \$1.25, prepaid.



### RHUBARB

PIEPLANT. Large stems in early spring for pie making and stewing. Plant shallow in your richest soil to grow the largest stalks. 5 roots, 50c, prepaid; 12 roots, \$1.00, prepaid.

### HORSERADISH

To be dug in late winter or early spring for an appetizing relish. 12 roots, 25c, prepaid.

### GARDEN SAGE

The dried leaves are very aromatic and are used for seasoning. 18c each, prepaid; 3 plants for 50c, prepaid.

Asparagus  
Mary Washington

### SPECIAL OFFER No. 171

### GOOD HEALTH COLLECTION

12 RHUBARB	\$1.00 PREPAID
12 ASPARAGUS	
10 HORSERADISH	
1 GARDEN SAGE	

In addition, we will give you FREE,  
One White Niagara Grape Vine.

## SHADE TREES

Under the greenwood tree who loves to lie with me,  
And turn his merry note unto the sweet bird's throat—  
Come hither, come hither, come hither!  
Here shall he see no enemy  
But winter and rough weather.  
—Shakespeare.

The shade tree is a symbol for rest and relaxation. Here is a select list that will give you plenty of shade, will add immeasurably to the appearance of your home, and do so at a most reasonable cost. They are fine specimen trees—too large to mail—sent to you by express, charges collect.

	Size	Each	2 for	5 for
<b>CHINESE ELM.</b> Rapid growing and dense foliage .....	5-6 ft.	\$0.70	\$1.30	\$3.00
<b>LOMBARDY POPLAR.</b> Tall, slender trees for screens and backgrounds...5-6 ft.		.40	.70	1.50
<b>SILVER MAPLE.</b> Grows rapidly into a very large tree; foliage light green with silvery underside.....5-6 ft.		.60	1.15	2.75
<b>AMERICAN ELM.</b> With wide-spread and drooping branches; this is our best street tree.....5-6 ft.		.60	1.15	2.75
<b>CATALPA BUNGEI</b> (Umbrella Catalpa). Trimmed, ready to plant.... 5 ft.		1.25	2.15	5.50
<b>CATALPA BUNGEI</b> (Umbrella Catalpa). Trimmed, ready to plant.... 4 ft.		.95	1.90	4.50
<b>THURLOW WEEPING WILLOW</b> .....5-6 ft.		.60	1.10	2.60
<b>THURLOW WEEPING WILLOW</b> .....4-5 ft.		.45	.85	2.00

## ORNAMENTAL TREE COLLECTION

### SPECIAL OFFER No. 170

1 Chinese Elm                                    All field-grown trees  
 1 Weeping Willow                                 ready to plant in  
 1 Red Bud    your yard.  
 1 Lombardy Poplar

ALL FOR \$1.00, PREPAID.

FREE GIFT with this Collection—1 Pussy Willow.

For Flowers, use  
**VIGORO**

## FLOWERING TREES

	Size	Each
<b>BECHTEL'S FLOWERING CRAB.</b> A beautiful, compact tree with double pink flowers; very fragrant. Prepaid .....	2-3 ft.	\$0.75
<b>GOLDENRAIN TREE</b> ( <i>Koelreuteria paniculata</i> ). A very interesting tree. Attractive foliage, long panicles of clear yellow flowers in spring followed by striking seed pods in fall. Not prepaid.....4-5 ft.		1.50
<b>FLOWERING PEACH.</b> Few plants are more striking when in bloom than the flowering peach. Available in pink, red, white or Peppermint Stick (red and white flowers). Prepaid.....3-4 ft.		.60
<b>PRUNUS CISTENA.</b> One of the best purple leaf plums; semi-dwarf. Prepaid.....3-4 ft.		.75
<b>PRUNUS NEWPORT.</b> A rapid growing purple leaf plum. Prepaid .....	3-4 ft.	.75
<b>PRUNUS TRILOBA.</b> A double-flowering small tree; similar to Flowering Almond but in tree form. Prepaid .....	3-4 ft.	.75
<b>REDBUD (Judas Tree).</b> Bright lavender flowers in early spring before the foliage appears. Prepaid.....3-4 ft.		.60
<b>RED HAW.</b> Attractive white flowers in spring, orange to red edible fruit in fall. Prepaid.....3-4 ft.		1.50

## HEDGES



An ornamental hedge speaks for itself. It frames the lawn and gives it a background. On the smaller grounds the low hedges are used, while for larger grounds and for screening purposes, the larger growing kinds are used. In most cases they should be planted one foot apart.

	Prepaid Prices.	Per 10	Per 25	Per 100
Plants 1 to 1½ ft. tall, branched.				
<b>AMUR RIVER PRIVET</b> (Hardy Russian Privet). The hardiest of all. Holds its leaves until severely cold weather.....	\$0.65	\$1.25	\$4.75	
<b>AMUR RIVER SOUTH PRIVET.</b> (For planting south of the Ohio river.) Graceful habit of growth, very dense and almost evergreen	.65	1.25	4.75	
<b>JAPANESE BARBERRY</b> ( <i>Thunbergi</i> ). Can be grown as an unformed or formed hedge. Foliage is bright green turning to orange-scarlet in fall. Bright red berries all winter....	.65	1.25	4.75	
<b>CALIFORNIA PRIVET.</b> Rich, dark green, lustrous leaves. Not quite so hardy as Amur River privet, but will come again if frozen back .....	.50	1.00	3.85	
<b>IBOLIUM PRIVET</b> (Hardy California). A cross between California and Ibota. Has the beautiful foliage of the former combined with the hardiness of the latter.....	.60	1.15	4.35	
<b>SPIREA VAN HOUTTE.</b> Makes one of the most beautiful and graceful of all hedges....	.65	1.25	4.75	

## THE MARVEL BRIDAL WREATH SPECIAL OFFER

### SPECIAL OFFER No. 152

Enough Spirea Van Houtte to plant 50 feet of hedge—plenty to border that drive to the garage, or for a splendid line fence. Hardy, fast-growing, ornamental and useful.

20 Spirea Van Houtte (Bridal Wreath) 1 to 1½ feet, for \$1.00, prepaid.

## VINES

A good vine over that bare porch will make it more home-like—give you welcome shade and privacy, but not shut off the breeze. Vines are particularly useful for covering fences, rocks, walls, banks and trellises. Quick growing. Prepaid prices.

	Each	2 for
<b>BOSTON IVY.</b> Clings to smoothest wall; foliage dense; very hardy .....	\$0.25	\$0.45
<b>INGLEMAN'S IVY.</b> Five-leaf ivy that clings to wall or climbs a fence. Green in summer, beautiful scarlet in fall .....	.25	.45
<b>CLEMATIS PANICULATA</b> ( <i>Sweet Autumn Clematis</i> ). Luxuriant grower, blooming profusely in early autumn .....	.25	.45
<b>CLEMATIS JACKMANNI.</b> Dark purple flowers from four to six inches across. July to October.....	.75	1.40
<b>SILVER LACE VINE</b> ( <i>Polygonum</i> ). A rapid grower; bears a great mass of white flowers in late summer. See Colored Page.....	.50	.90
<b>WISTERIA.</b> Purple. Rapid growing and elegant. Pale blue flowers borne in great clusters.....	.30	.50
<b>HALL'S JAPAN HONEYSUCKLE.</b> Nearly evergreen; flowers white to yellow, very fragrant.....	.25	.45
<b>SCARLET TRUMPET HONEYSUCKLE.</b> Bright scarlet flowers in profusion .....	.25	.45
<b>BITTERSWEET.</b> Orange-yellow seed pods bursting open to show scarlet seeds; very attractive in early winter .....	.25	.45

# ORNAMENTAL SHRUBS

Plant shrubs plentifully around your home. They enliven your yard with their timely blooms, and when the flowers are gone the foliage adds its air of distinction to the place. The choicest shrubs from all over the world gathered together for your use.

2-year, 1 to 1½ ft., 25c each; 5 for \$1.00. Prepaid.  
3-year, 1½ to 2 ft., 30c each; 4 for \$1.00. Prepaid.

**ALTHEA** (Rose of Sharon). Fine free-flowering shrubs or small trees. Blossoms of red, pink, purple or white, borne in August and September.

**AMERICAN ELDER**. Great bunches of white flowers in June, reddish-purple berries in the fall.

**BUSH HONEYSUCKLE**. A large-growing bush that will stand much abuse. Pink flowers in spring. May be sheared to form a dense hedge.

**BUTTERFLY BUSH FARQUHARI**. Better than the common Butterfly Bush; its lilac-purple flowers are borne in abundance throughout the summer and fall.

**DEUTZIA, PRIDE OF ROCHESTER**. Early blooming, flowers large, white tinged with rose.

**DOGWOOD, REDTWIGGED**. Smooth, slender, bright red branches in winter make a very pleasing contrast with evergreens and snow. Small white blossoms in summer.

**GOLDEN BELL** (Forsythia). A cascade of bright yellow flowers in early spring, followed by dark green foliage.

**JAPANESE BARBERRY**. Low-growing, dense; glossy green foliage in summer turning to coppery red in the fall, followed by brilliant red berries.

**JAPANESE QUINCE** (Fire-in-the-Bush). A brilliant mass of red in early spring with glossy green foliage throughout the summer.

**MOCK ORANGE**. Pure white, fragrant flowers in early spring.

**PURPLE LILAC**. An old favorite but still good. Very fragrant.

**RUSSIAN OLIVE**. Silvery foliage, soft fuzzy bark; stands dry weather very well.

**SNOWBERRY CHENAULTI**. Pink flowers, red fruit dotted white; gracefully arching branches, very small leaves.

**SNOWBERRY, WHITE**. Large waxy-white flowers in fall and winter.

**SPIREA FROEBELI**. Pink Dwarf Spirea. Flowers of a pleasing pink shade. Somewhat taller habit of growth than Spirea Anthony Waterer.

**SPIREA THUNBERGI**. White blossoms in earliest spring; foliage fine and feathery, making it an admirable foundation plant.

**TAMARIX, BLUE**—Tall-growing; makes a splendid hedge or background. Fine foliage; flowers of lively pink blooming two or three times during season.

**TAMARIX, GREEN**. Quite similar to the Blue Tamarix, but foliage of deep green and flowers of lighter shade.

**WEIGELA**. Pink flowers are large, trumpet-shaped, blooming in June and July.

**WILLOW, PUSSY**. Gray catkins in earliest spring. Fine for cutting.

## ALTHEA COELESTIS

### SPECIAL OFFER No. 175

A new single Blue Althea. An early and continuous bloomer. The only single, real blue Althea. It's really different.

45c Each, three for \$1.00, Prepaid.



Hydrangea, Hills of Snow



Spirea (Bridal Wreath)

## BETTER SHRUBS

### ALL PRICES PREPAID

	Size	Each	Per 4
<b>BUTTERFLY BUSH, Ile de France</b> . Long thick flower spikes of rosy-purple.....	1-1½ ft. 1½-2 ft.	\$0.30 .35	\$1.00 1.20
<b>SPIREA ANTHONY WATERER</b> . Red Dwarf Spirea. Showy red flowers borne in umbrella-like bunches throughout the summer .....	1-1½ ft. 1½-2 ft.	.30 .35	1.00 1.20
<b>VITEX MACROPHYLLA</b> . Attractive lavender-blue flowers from July till frost; semi-dwarf habit of growth.....	1-1½ ft. 1½-2 ft.	.30 .35	1.00 1.20
<b>BEAUTY BUSH</b> . Arching branches, covered with a profusion of delicate pink flowers resembling Abelia.....	1-1½ ft. 1½-2 ft.	.35 .45	1.20 1.65
<b>REDLEAF BARBERRY</b> . Bright red foliage all summer. Plant in full sunlight..	1-1½ ft. 1½-2 ft.	.35 .40	1.20 1.45
<b>CRAPE MYRTLE</b> . Very showy flowers of crinkled, crape-like appearance, pink, red or white .....	1-1½ ft. 1½-2 ft.	.35 .40	1.20 1.45
<b>HYDRANGEA, Hills of Snow</b> . Ball-shaped clusters of snowy-white flowers in July and August .....	1-1½ ft. 1½-2 ft.	.30 .35	1.00 1.20
<b>HYDRANGEA, PEEGEE</b> . Huge panicles of light pink flowers in August and September, changing to brown in the fall....	1-1½ ft. 1½-2 ft.	.30 .35	1.00 1.20
<b>PHILADELPHUS VIRGINAL</b> . Large, semi-double flowers of clear white, almost everblooming .....	1-1½ ft. 1½-2 ft.	.30 .35	1.00 1.20
<b>SNOWBALL</b> . Large globular clusters of pure white produced in May and June. Grows 6 to 8 feet in height.....	1-1½ ft. 1½-2 ft.	.35 .45	1.20 1.65
<b>CALICCARPA PURPUREA</b> (Beauty Berry). Clusters of attractive purple berries in fall .....	1-1½ ft. 1½-2 ft.	.30 .35	1.00 1.20

## SPIREA VAN HOUTTE

### (BRIDAL WREATH)

Best known and most widely used of all shrubs. Long sprays of white flowers completely cover the shrub in spring. Will grow anywhere, in shade or sun. Prices prepaid.

	Each	Per 6	Per 12	Per 25
12-18 inches.....	\$0.15	\$0.70	\$1.10	\$1.95
18-24 inches.....	.20	.85	1.50	2.65
2-3 feet.....	.25	1.25	2.25	3.95

## SPIREA COLLECTION

### SPECIAL OFFER No. 176

5 Plants for \$1.00, Prepaid.

The Spirea is our most popular shrub family. This collection gives you Pink, White and Red—one Pink Dwarf, one Red Dwarf, and 3 Bridal Wreath.

And just to make it interesting, we will give you FREE with the collection, one Pussy Willow.

# ROSES

Would Jove appoint some flower to reign  
In matchless beauty on the plain,  
The Rose (mankind will all agree),  
The Rose the queen of flowers should be.

And the Rose has retained the crown through all the centuries since Sappho's time. Perfection of form and color, long-lasting, most delightfully fragrant—every quality for which you could ask. Her varieties are legion; these we offer are among the best.

No. 1 Topsized, 2-year-old, field grown.  
Each, 39c; Per 3, \$1.00; Prepaid.

Medium Grade, field grown.  
Each, 34c; Per 4, \$1.19; Prepaid.

## PINK COLORS

**RADIANCE.** Brilliant rose-pink; America's most popular rose.  
**COLUMBIA.** Long stemmed, pointed flowers, vivid pink, highly perfumed.  
**J. J. L. MOCK.** Deep carmine-pink, very large flowers.  
**PAUL NEYRON.** Dark lilac-rose, fragrant, nearly thornless.  
**LOS ANGELES.** Salmon-pink with yellow shading, exquisite flowers.

## RED COLORS

**AMERICAN BEAUTY.** Deep pink, delightful fragrance, vigorous.  
**AMI QUINARD.** Dark velvety crimson, almost black.  
**ETOILE DE FRANCE.** Vivid crimson flowers with full rounded centers.  
**GRUSS AN TEPLITZ.** Brilliant crimson, very fragrant, free blooming.  
**RED RADIANCE.** Similar to Radiance, but deep rose-red; everblooming.  
**E. G. HILL.** Long bud, full double, dazzling scarlet, vigorous.  
**ETOILE DE HOLLANDE.** Brilliant red, huge, free flowering, fragrant.

## YELLOW COLORS

**DUCHESS OF WELLINGTON.** Saffron-yellow, large, shapely, fragrant.  
**LADY HILLINGDON.** Pointed buds of deep saffron-yellow, fragrant.  
**SOUVENIR DE CLAUDIUS PERNET.** Fadeless yellow, blooms freely.  
**SUNBURST.** Yellow suffused with orange at center, well shaped.  
**JOANNA HILL.** Orange-yellow, dainty and lovely; extremely fragrant.  
**LUXEMBOURG.** Copper-yellow with deep yellow stains at base of petals.  
**MRS. E. P. THOM.** Large flowers of bright canary yellow.

"It never rains roses: when we want  
To have more roses we must plant more rose bushes."

For Flowers, use  
**VIGORO**

## SPECIAL OFFER No. 159

FOUR EVERBLOOMING ROSES—2-year.  
One each, Red, Pink, Yellow, White.  
\$1.00, Prepaid.

## PULVERIZED SHEEP MANURE

Useful for lawns, vegetables, flowers, shrubs, and trees. Will not burn foliage. 50-lb. bag, \$1.50; 100-lb. bag, \$2.50.



# HOTKAPS



Prices: 1,000 for \$10.25; 250 package with setter and tamper, \$3.85; 100 package with setter and tamper, \$2.65; steel setter, \$1.50; Garden Setter, 50c. Postage extra. See page 34.

## TWO-TONE COLORS

**PRESIDENT HERBERT HOOVER.** Cerise-pink, flame scarlet and yellow.  
**TALISMAN.** Bright apricot, gold and deep pink; very popular.  
**MARGARET McGREDY.** Solid orange-vermilion, large, hardy, prolific.  
**EDITH NELLIE PERKINS.** Buff inside, coppery pink outside.

## WHITE COLORS

**KILLARNEY, DOUBLE WHITE.** Snowy-white flowers, large and full.  
**KAISERIN AUGUSTE VIKTORIA.** Snowy-white tinted yellow at center.  
**FRAU KARL DRUSCHKI (White American Beauty).** Snowy white.

## SPECIAL OFFER No. 165 A ROSE GARDEN FOR A DOLLAR!

Now here IS something! Think of Five Field-grown, two-year-old Roses in all colors, delivered at your door for only \$1.00. See what a wonderful selection we have made for you.

- 1 E. G. HILL—Long bud, full double, dazzling scarlet.
- 1 SOUV. DE CLAUDIO PERNET—One of the finest yellow roses.
- 1 MRS. CHARLES BELL—Shell-pink variant of Pink Radiance.
- 1 MME. JULES BOUCHE—White with just a shade of pink at center.
- 1 TALISMAN—Best known two-tone rose; apricot gold and deep pink.
- 
- 5 Everblooming Roses for \$1.00, prepaid.

## CLIMBING ROSES

**CLIMBING AMERICAN BEAUTY.** Carmine red, fine form, rich perfume.  
**CRIMSON RAMBLER.** Scarlet-red, large clusters, rampant growth.  
**DOROTHY PERKINS.** Shell pink, long slender canes, good foliage.  
**MARY WALLACE.** Pink and gold, double, hardy.  
**GARDENIA.** Yellow, hardiest and most dependable yellow climber.  
**PAUL'S SCARLET.** Intense scarlet, vigorous and free flowering.  
**DR. W. VAN FLEET.** Pale pink flowers, equal to best tea rose.

## POLYANTHA ROSES (Baby Ramblers)

**ELSE POULSEN.** Bright rose-pink flowers of good size, borne in large clusters.  
**IDEAL.** Small, dark scarlet blooms in compact bunches, quite vigorous.  
**GOLDEN SALMON.** Bright orange-salmon flowers in huge clusters.  
**KATHARINA ZEIMET.** Double pure white flowers, very fragrant.

## SPECIAL OFFER No. 173

4 BABY RAMBLERS (POLYANTHA ROSES)  
These are dwarf, everblooming Roses, free blooming and disease resistant.

2 Red, 1 Pink, 1 Yellow, \$1.00, Prepaid.

# PERENNIAL FLOWER PLANTS

The mound that did my pearl embower  
With fair bright herbage was o'erhung,  
Ginger and gromwell and gillyflower,  
And peonies sprinkled all among.

—From "THE PEARL," 1350.

No planting is complete without some of these old-fashioned garden plants. You plant them with the same assurance that you plant hardy shrubs, because they come up year after year to brighten the landscape with their wonderful flowers.

3 for 57c; 6 for \$1.00; prepaid.

**ASTERS, HARDY** (Michaelmas Daisy). Bloom in late summer with a gorgeous display of color.

Blue Gem. Double flowers of rich blue.

Climax White. Large single white flowers.

Mrs. F. W. Raynor. Nearest red of all asters.

St. Egwin. A pleasant rosy pink, free blooming.

**BLEEDING HEART**, Everblooming. Dwarf plants with fern-like foliage producing graceful rose-pink flowers all summer.

**CHRYSANTHEMUM**. Glorious fall-blooming flowers; your choice of red, pink, bronze, yellow and white.

**COLUMBINE**. The long-spurred kind so defiantly dainty. Mixed colors. May and June.

**COREOPSIS**. Golden yellow flowers on long stems; June until frost.

**DAISY, SHASTA ALASKA**. Large pure white blossoms.

**DELPHINIUM** (Larkspur). Long showy spikes of varying shades of blue. Blooms in June and July, sometimes again in the fall.

**GAILLARDIA BURGUNDY** (New). Shining wine-red flowers about 2½ inches across, borne on long, stiff stems; from June until frost.

**GARDEN PINKS**. Sweetly fragrant flowers in mixed shades from white through pink to red.

**GYPSOPHILA** (Babysbreath). Two to three feet in height and most graceful in effect, with masses of tiny white flowers. Can be dried for winter bouquets.

**HARDY FERN**. For outdoor planting. Long, heavy but graceful fronds.

**HOLLYHOCKS**. An old fashioned flower that is always a favorite. Ours are double flowering and come in pink, maroon, red, white and yellow. Please state the colors desired when ordering.

**LILY OF THE VALLEY**. Fragrant, pure white bell-shaped flowers.

**MALLOW MARVELS** (Rosemallow). Giant flowers of pink, red and white. Very showy.

**PHLOX**. Showy, sassy flowers in a wide range of colors. Bloom from early summer till frost. We have selected these five splendid varieties:

B. Comte. Satiny purple, very brilliant, tall.

R. P. Struthers. Bright carmine with red eye.

Rijnstroom. Beautiful clear pink.

Mrs. Jenkins. Pure white.

Thor. Deep salmon-pink.

**PLATYCODON** (Balloonflower). In the bud these flowers look like tiny toy balloons. They open to bright star-shaped flowers. Bloom nearly all summer. Colors, blue and white.

**PYRETHRUM** (Painted Daisy). As the name implies these flowers appear to be daisies that some clever artist has painted in shades of red. Bloom over a long period.

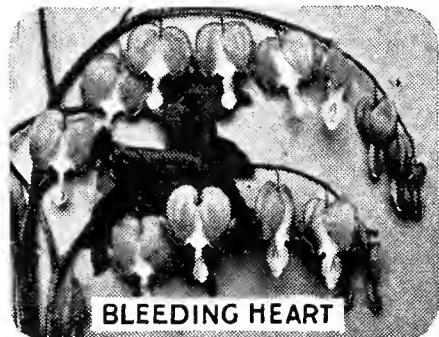
**STATICE** (Sea Lavender). Large, lacy sprays of lavender-blue flowers. Splendid to use with other flowers in making up bouquets.

**SWEET PEAS, HARDY**. Large flowers on vigorous, healthy vines. Long blooming period and will live for many years. Colors: pink, white, red.

**SWEET WILLIAMS**. Fragrant showy flowers in early summer. Fine for cutting. Mixed shades of pink and red.

**TRITOMA** (Red-Hot-Poker). One of the showiest of all flowers. Large yellow to orange flower brands on tall stiff stems.

## PEONIES and BLEEDING HEARTS



Ea., 30c; 4 for \$1.00; prepaid.

**OLD FASHIONED BLEEDING HEART**. You will be delighted with the long, graceful sprays of pink heart-shaped flowers that bloom early in the spring.

**PEONIES**. Always popular, always dependable. We offer three of the best varieties:

Edulis Superba. Bright glowing pink.

Festiva Maxima. Snowy white.

Felix Crousse. Brilliant red.



## WINDBREAK TREES

Forest Tree Seedlings to be planted thickly to grow into mighty hedges and windbreaks rather than for shade trees. Priced so reasonable you can plant them thickly in the row, or better still in a double or triple row.



### Prepaid Prices.

	Size	Per 25	Per 100	Per 500
<b>BALD CYPRESS</b> . Handsome feathery foliage .....	12-18 in.	\$2.25	\$7.50	\$35.00
	18-24 in.	2.75	9.50	42.50
<b>CATALPA</b> . Large, broad leaves and creamy white blossoms.....	6-12 in.	.30	.60	2.50
	12-18 in.	.35	.90	4.00
<b>CHINESE ELM</b> . Drought resistant and rapid growing.....	18-24 in.	.60	1.65	7.50
	2- 3 ft.	.95	2.70	10.75
	3- 4 ft.	1.40	5.00	...
	6-12 in.	.30	.90	3.80
	12-18 in.	.35	1.00	...
<b>AMERICAN ELM</b> .....	18-24 in.	.45	1.75	...
	2- 3 ft.	.75	2.50	...
	3- 4 ft.	1.00	3.25	...
	6-12 in.	.30	.90	3.50
	12-18 in.	.35	1.25	4.75
<b>BLACK LOCUST</b> .....	18-24 in.	.50	1.75	7.25
	2- 3 ft.	.60	2.25	10.00
	6-12 in.	.40	1.00	4.50
<b>HONEYLOCUST</b> .....	12-18 in.	.50	1.50	6.65
	18-24 in.	.65	2.25	...
	2- 3 ft.	.90	2.75	...
<b>OSAGE ORANGE "HEDGE"</b> .....	6-12 in.	.30	.80	3.35
	12-18 in.	.35	.90	4.00
	18-24 in.	.50	1.50	6.75
<b>RUSSIAN OLIVE</b> .....	6-12 in.	.75	2.00	...
	12-18 in.	.90	3.25	...
	18-24 in.	1.25	4.00	...
<b>RUSSIAN MULBERRY</b> .....	6-12 in.	.30	.90	3.35
	12-18 in.	.40	1.25	5.00
	18-24 in.	.50	1.75	7.00
	2- 3 ft.	.75	2.25	10.00

# SPECIAL OFFERS

## MOTHER'S PEONY COLLECTION

SPECIAL OFFER No. 151

You couldn't buy peonies that would perform better or give you more satisfaction than these three we have selected, no matter how much you might pay for them.

- 1 Edulis Superba, bright glowing pink
- 1 Festiva Maxima, snowy white
- 1 Felix Crousse, brilliant red

3 Large three-year-old, 3 to 5 eye plants,  
89c, postpaid.

## JELLY-MAKER'S JOY

SPECIAL OFFER No. 158

**CONCORD GRAPES**—The standard by which all other grapes are measured. Large, full-flavored fruit borne in great abundance, ripening over a long season. Unsurpassed for jelly, marmalade or juice. Vines hardy and easily grown.

- 158-A—20 Concord Grapes for \$1.00.
- 158-B—125 Concord Grapes for \$4.98.
- Either collection sent prepaid.

## CHINESE ELM SHADE TREES

SPECIAL OFFER No. 160

Fine, large trees, sturdy and strong, for quick shade.

8 Trees, 4 to .5 feet tall, for \$1.00, prepaid.

## CHINESE ELM SHADE TREES

SPECIAL OFFER No. 161

Economy size, but not trash. Splendid little trees they are.

15 Trees, 3 to 4 feet tall, for \$1.00, prepaid.

## CHINESE ELM SEEDLINGS

SPECIAL OFFER No. 162

A splendid lot of large size seedlings for extensive plantings.

30 Seedlings, 2 to 3 feet tall, for \$1.00, prepaid.

## CHINESE ELM SEEDLINGS

SPECIAL OFFER No. 163

Not so large as the trees of other offers, of course, but say, Mister, how they will grow!

100 Seedlings, 1 to 1½ feet, for \$1.50  
Prepaid, with a Rose Bush free.

## LOMBARDY POPLARS

SPECIAL OFFER No. 164

We call this our "ASTONISHMENT OFFER," for you will truly be astonished at the value; and besides, the Lombardy Poplar really is an overgrown exclamation mark! Nothing finer for a background planting where height and dignity is wanted.

10 Lombardy Poplars, 3 to 4 foot size, \$1.00, prepaid.

## GOLDFLAME HONEYSUCKLE

SPECIAL OFFER No. 166

Here truly is an everblooming vine. In bloom constantly from early summer until killing frost. Showy trumpet-like blossoms, flame-red outside, bright yellow inside like a cavalier's cloak. Nearly evergreen foliage. Hardy.

75c each, three for \$2.00, prepaid.

## PINK CUSHION CHRYSANTHEMUM

SPECIAL OFFER No. 167

A marvelous mass of dainty pink flowers beginning in late summer or early fall. May be moved to large pots and continue to regale you with their beauty until away long in the winter.

25c each, five for \$1.00, prepaid.

## GOLDEN POPLAR

SPECIAL OFFER No. 169

Very striking golden foliage. Rapid grower. Grows to about the same height as Silver Leaf Poplar. This is an unusual plant.

	Each	Per 3
12-18 inch.....	\$0.20	\$0.50 prepaid
18-24 inch.....	.25	.60 prepaid
2-3 feet.....	.35	.90 prepaid

## 8 EVERBLOOMING BUSH ROSES

SPECIAL OFFER No. 172

Our selection; all good varieties, for \$1.00, prepaid.

## 12 VICTORIA GIANT RHUBARB

SPECIAL OFFER No. 177

Whole Roots, 50c, prepaid.

## 8 PEACH TREES, 2-3 ft.

SPECIAL OFFER No. 179

One each: South Haven, Rochester, J. H. Hale, Golden Jubilee, Elberta, Champion, Heath Cling and Halehaven, \$1.00, prepaid.

FREE—One Niagara Grape with above offer.

## 12 GRAPE VINES

Red, White and Blue Collection

SPECIAL OFFER No. 180

2 Niagara, white; 6 Concord, blue; 2 Caco, red;

2 Moore Early, blue, \$1.00, prepaid.

FREE—One Rose Bush with above offer.

## 30 CUMBERLAND RASPBERRIES

SPECIAL OFFER No. 182

\$1.00, prepaid.

## 6 RHUBARB

## 6 HORSERADISH

## 12 ASPARAGUS

## 2 GARDEN SAGE

SPECIAL OFFER No. 183

\$1.00, prepaid.

## 25 SPIREA VAN HOUTTE (Bridal Wreath)

SPECIAL OFFER No. 184

Blooming size, \$1.00, prepaid.

# All Summer FLOWER SEEDS

## Loads of Beautiful Flowers

Flowers are something everyone should be interested in. They do so much to make the home beautiful and lovely. The flowers outside a home largely reveal the character within.

From just a few packets of seed you will be able to cut flowers by the basketfuls all summer and by doing so they just bloom all the harder.

Our seeds germinate quickly. All are tested and sent to you in big full-measure packets with instructions for planting on the back of each packet.

This year we are offering plants, too, of many of our finer varieties. All are grown from the finest selected seed stocks, transplanted and "topped," which means healthy, vigorous tops, as well as sturdy roots. Postpaid and satisfaction guaranteed. Send your order for plants right along with your seed order and we will mail the plants at the proper planting time.

**All Flower Seed Prices Are Postpaid.**  
**PRICES:** All Packets are 10c Each;  
3 for 25c, Postpaid, except as noted.

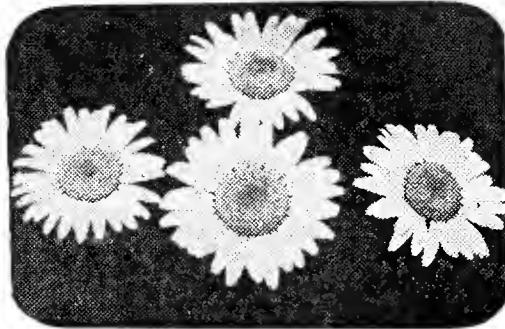
### RED ARROW GARDEN SPRAY

HIGHLY CONCENTRATED

See page 33.

## AFRICAN DAISY

(Dimorphotheca). Grows 15 inches high. Blooms are  $\frac{1}{2}$  inches across, ranging in color from white to salmon and orange with dark centers.



Daisy

## AGERATUM

Five inches tall. One of the best bedding plants. Splendid for borders or edging. Blooms the entire season. Rapid grower. Pkt., 20c.

Little White Star. Little Blue Star.

## SWEET ALYSSUM

Pretty little plants for beds or vases, blooming all summer long. Very sweetly scented.

Dwarf Yellow. Lilac Queen. Carpet of Snow. Mixed.

## AMARANTHUS

(Tri-Color Splendens — Joseph's Coat). Very useful in borders of tall plants, among shrubs, or for centers of large beds. Grows  $\frac{1}{2}$  feet tall. Inner foliage is of blackest bronze tipped with green. Outer foliage scarlet and gold.



Giant Branching Aster

## ASTERS

Early sorts begin blooming in July, followed by the midseason sorts, which are at their best in August. Then come the late blooming kinds which bloom through September and October.

**CREGO ASTERS.** This variety produces the largest flowers of the comet type. Very full and fluffy, 4 to 5 inches in diameter. When cut they outlast all other types.

Crimson, White, Shell Pink, Lavender, Purple, Mixed.

**EARLY BEAUTY ASTERS.** Attain a height of around two feet. Are of a branching habit. Flowers large, resembling Chrysanthemums, borne on long stout stems. Bloom at same time with Crego varieties.

Black Prince, Lavender, Crimson, White, Pink, Mixed.

**WILT RESISTANT ASTERS.** Many of our friends have had trouble with wilt at some time or another. These varieties are able to grow and bloom beautifully on infested ground. Some of the largest and finest flowers in America in these new strains.

Pink, Crimson, White, Lavender, Purple, Mixed.

For Lawns, use  
**VIGORO**

**SUNSHINE MIXED ASTERS.** The best mixed assortment for home use. All shades and colors with golden centers.

**BRILLIANT QUILLED ASTERS.** Mixed colors.

**MAMMOTH AMERICAN BRANCHING ASTERS.** Large. Late blooming. Mixed colors. Best in September.

**PEONY ASTERS.** Mixed colors. Large double blooms resembling peonies.

**LILLIPUT MIXED.** Small flowered, intensely doubled of ideal habit. Seed pkt., 15c.

**Flowers—Vivid in Color, Healthy, Strong Stems.** Flowers lacking in color . . . blooms sparse and poorly formed . . . stems spindly . . . foliage scant and faded. These are sure signs of starvation. Your flowers need a square meal—a complete plant food—Vigoro. It supplies each of the essential elements required for healthy plants and abundant, colorful flowers.

## BLUE LACE FLOWER

**DIDISCUS COERULEUS, ANNUAL.** Grows upright about 2 feet high, branches freely, each end bearing a cluster of light blue flowers spreading umbrella-like. Each blossom is carried on a thin, long tube lending the flower head a delicate and dainty touch. Lasts unusually long in water.

## BABY'S BREATH

This annual variety has larger flowers than the perennial and is a soft pink in color.

## BALSAM

The old-fashioned Camellia-flowered "Touch-Me-Not" or "Lady's Slipper." Produces a great profusion of brilliantly colored blooms.



Burning Bush



Balsam

## BUTTERFLY FLOWER (Schizanthus)

The fern-like foliage is very attractive even before the flowers come on. The blooms are all colors, shaped like many delicate butterflies.

## BURNING BUSH (Kochia)

Makes a beautiful hedge or background. Grows very compact, turning from light green to blood red in early autumn.

**FREE** **FREE**

Five Flower Seed Novelties FREE with Every Order for Garden and Flower Seeds in the Amount of \$1.50 or More Taken Out of This Catalog. . . . .

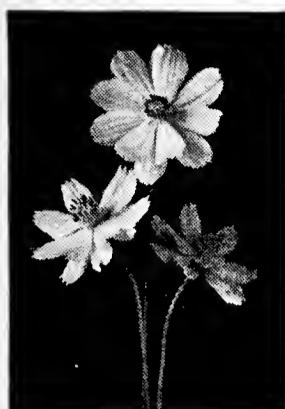
**FREE** **FREE**

Nasturtium, Double Hybrid Calendula, Orange Shaggy, Zinnia, Gold Medal Dahlia, Flowered Mixed Marigold, Dixie Sunshine Petunia, Giant Rainbow Mixture. . . . .



USE  
**HOTKAPS**

See page 34.

**COSMOS**

Cosmos

**For Summer and Fall Flowers**

While early varieties begin flowering in July, Cosmos reaches the height of its beauty in the autumn, when it becomes one of the dominant border families. Given plenty of room, the tall plants branch freely, and are effective both in their abundant flowers, and their feathery foliage.

**EARLY KLONDYKE ORANGE FLARE.** The Grand Champion Gold Medal Winner. The unanimous choice of all judges in the All-American Competition for 1935. Bright vivid orange, very free flowering, with a sparse growth of light green foliage, the plants are in full flower less than four months from the time of planting, and are a mass of color all season. The sensation of the year.

**EARLY DOUBLE CRESTED.** Showy plants, 3 to 4 feet tall, covered with a mass of lovely, large flowers. Our strain produces a large percentage of double blooms.

**CHRYSANTHEMUMS**

Sown in April they begin flowering in July. Pinch back to encourage branching. They make delightful border plants and beautiful bouquets throughout the summer. Golden Feather, Mixed; The Sultan, rich red; Evening Star, yellow.

**CANNAS, Large Flowering**

You all know how easily they can be grown from the roots; well they can be just as easily grown from seed. Soak seed 24 hours in warm water. Sown in February should bloom all colors in July.

**CANTERBURY BELLS**

A biennial which seeds itself. Easily grown and fine for rock garden or in the border. Mixed colors.

**NEW ANNUAL CANTERBURY BELL.** Brings spring to the garden in the fall. We recommend this new annual to all our flower lovers. An annual that can be brought into bloom any time after July. Blooms are the shape of delicate bells in rich shades of dark blue, light blue, pink, rose and white.

**CARNATIONS**

Always in demand and can be easily grown in your own garden. They are just like regular greenhouse blooms except that they are a trifle smaller. White, Yellow, Red or Pink, Mixed.

**CALIFORNIA POPPY**

**ESCHSCHOLTZIA AURANTIACA.** This is the true California Poppy. Its brilliant coloring and silk-like texture make it an outstanding plant. It blooms from early summer until freezing weather. Mixed colors.

**THE GEISHA.** A brilliant rose and orange coloring that makes a blaze of color in your garden all summer long.

**CALLIOPSIS**

Mixed colors. Sow early and thin to 12 inches apart. Easily grown. Beautiful for either garden or cut flower decoration.

**SPRAY**

Protect your roses, nasturtiums, lilies and other flowers from aphids and similar insects. A teaspoonful of "Black Leaf 40" makes a gallon of spray.

**CANDYTUFT**

They soon flower from seed and remain long in bloom. When massed in flower beds and edgings they are unsurpassed. Make splendid cut bouquets. Empress (pure white), Crimson, Lavender, Fine Mixed.

**CASTOR BEANS (Ricinus)**

Well adapted for backgrounds along the side or back garden fence. Moles won't bother a garden hedged with Castor Beans.

**CENTAUREA**

This is a very hardy annual, flowering all summer. Very easily grown. A fine border plant and very showy. Bachelor's Button or Corn Flower. Also Dusty Miller.

**MAMMOTH SWEET SULTAN**

Another type Centaurea with large flowers shaped like the globe thistle. Brilliant Rose, Blue, Golden Glow, Purple, Mixed.

**CHINESE FORGET-ME-NOT**

Very fine for cutting. Grow 18 to 24 inches tall and are covered with vivid Forget-Me-Not blooms. Blue, Pink.

**CHINESE WOOLFLOWER**

(Celosia Childsi.) A variety of Cockscomb. Fine for winter bouquets. Mixed shades.

**CALENDULA (Pot Marigold)**

**RADIO CALENDULA.** A large double bloom of a deep shade of golden yellow with attractively quilled petals. Orange King, Lemon King.

**QUALITY CALENDULAS**

Sunshine Chrysanthemum Flowered

An entirely new species that is especially fine. Grows 2 to 2½ feet tall and bears large, bright, golden canary-yellow flowers.

**ORANGE SHAGGY (New).** Closely set, irregularly placed, long narrow petals, beautifully fringed or laciniated, giving the flower the frilled or shaggy appearance of some Chrysanthemums.

**SENSATION (Campfire).** Brilliant orange with crimson sheen.

**BALL'S SUPREME.** Light orange with brown center.

**RADIO.** Rich orange blooms with quilled petals.

**GOLDEN BALL (Ball's Gold).** Deep golden-yellow.

**MIXED.**

**DIANTHUS**

A lovely class of annual flowers for beds, borders and cutting. Of easy culture. Blooms from July until frost.

**RUFFLED AND FRINGED.** Large single flowers with ruffled and fringed petals of many colors.

**TOM THUMB.** A dwarf plant with bright red flowers.

**GRASS PINKS.** The delicately fringed flowers are fragrant and fine for bouquets.

**SPECIAL MIXTURE.** A splendid mixture of double pinks.

**COBAEA**

**COBAEA (Cup and Saucer Vine).** A rapid climber; fine for trellises, arbors, etc.; clings to any rough surface. Place seeds in the ground edgewise and cover with light soil. Purple, Pure White.

**COLEUS**

**COLEUS (Flame Nettle).** An attractive foliage plant for house or garden. Very interesting to grow from seed, easily raised. Sow in March or April.

**CYPRESS VINE  
(Ipomoea Quamoclit)**

**Half Hardy Annual Climber, 15 Feet**  
A beautiful vine of very rapid growth, with delicately cut fern-like foliage and producing in abundance dainty star-shaped scarlet and white flowers. Sow when the weather is warm, or seed may be started indoors. Soak overnight in warm water previous to sowing.

**DAHLIAS**

Can be easily raised from seed and will bloom the first year. One of the best late summer flowering plants.

**DAISIES**

**SHASTA.** Flowers very large and graceful; pure white, single. Grow on long, stiff, wiry stems.

**DIGITALIS**

**THE SHIRLEY.** Stately spikes growing up to 7 feet tall, closely set with large bells, in many bright colors. Some dotted with crimson or chocolate.

**DELPHINIUM**

Delphiniums are hardy, vigorous and free blooming. Soak the seed over night, and lime the soil where they are to be planted.

Delphinium, Belladonna.

Delphinium, Bellamoxum.

Delphinium, Giant Hybrids, Mixed.

Forget-Me-Not (*Myosotis*)

Four-o'Clock, Mixed.

Gaillardia, Single Mixed.

Gaillardia, Double Mixed.

Gaillardia, Perennial Mixed.

Godetia.

Gomphrena (Globe Amaranth).

Gourds, Mixed.

Helianthus or Sunflower.

Helichrysum, Mixed Colors.

**PERFECTION DOG FOOD**  
Feeds the Champion

**MARIGOLDS**

Marigold

They light the garden with a glitter of yellow and gold from July far into the frosts of autumn.

**DOUBLE TALL AFRICAN VARIETIES.** Lemon Ball. Mixed shades of yellow and orange. Orange Ball.

**DWARF FRENCH DOUBLE.** Mahogany, Lemon Queen, Double Dwarf Mixed (Pride of the Garden).

**DWARF SINGLE FRENCH.** Legion of Honor. Golden yellow marked with a large spot of velvety crimson at the base of each petal. Golden Star, Marigold Mixed.

**CARNATION FLOWERED MARIGOLD.** Guinea Gold. A brilliant orange, very double and ruffled with loose lace petals. This in a new and distinct type.

Heliotrope.  
Hibiscus.  
Hollyhock, Double Mixed.  
Ice Plant.  
Japanese Hop Vine.  
Job's Tears.  
Kochia (Mexican Fire Bush).  
Kudzu Vine (Jack-and-the-Bean-Stalk).  
Lantana.  
Larkspur, Tall Double Mixed.  
Lathyrus Latifolius (Perennial or Everlasting Pea).  
Lobelia.  
Love in a Mist, or Nigella.

**LUPINE**

**MAYFAIR HYBRID.** Easily grown on poor soil but insists on good drainage. Carries long graceful spikes of rich and various colored flowers.

Mignonette, Sweet Scented.  
Momordica, Balsam Apple.  
Morning Glory, Japanese Mixed.  
Moonflower.  
Nasturtiums—  
Dwarf Mixed.  
Tall Mixed.  
Pansy—  
Giant Trimardeau, Mixed.  
Trimardeau, Separate Colors.  
Pansy Plants—Mixed colors of the choicest varieties, 50c per dozen, postpaid.

Phlox—  
Drummondii Grandiflora.  
Star Quedlinburg.

Poppy—  
Mixed Single.  
Mixed Double.  
Shirley Mixed.  
Oriental.

**PORTULACA (Moss Rose).** Brilliant garden annuals, 6 inches high, luxuriating in warm, dry, sunny situations and blooming profusely from early summer to autumn. For low beds and masses of color, from spring until frost, they are indispensable; colors range through innumerable shades of red, yellow, pink, striped, white, etc.

**DOUBLE, FINE MIXED.**

**SINGLE, FINE MIXED.**

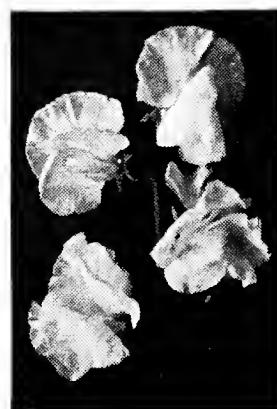
**PHYSOTEGIA VIRGINICA**

**FALSE DRAGON HEAD.** We are furnishing the Physotegia Vivid Dwarf Pink which grows about 18 inches tall with extra large heads of very showy pink flowers. It is far superior to the old-fashioned tall-growing variety, in sturdiness, color and shape. This Physotegia is one of the finest and most freely flowering of all hardy garden flowers. Very fine for cut flowers.

Scarlet Sage, Splendens.  
Scabiosa, Grandiflora Mixed.  
Snapdragon, Tall Mixed.  
Stocks, Large Flowering Ten Weeks Mixed.

**SUPREME SWEET PEAS**

Soil should be thoroughly mixed with a good fertilizer. We like Vigoro for this purpose. When the plants are well up, see that they have wire, strings or a trellis to support them.

**SPENCER SWEET PEAS**

Spencer Sweet Peas

Pkt., 10c; Oz., 25c.

Royal Purple.  
Mrs. Tom Jones—Deep azure blue.  
Illuminator—Bright glowing salmon, tinged with orange.  
Crimson King.  
Warrior—The best pure deep maroon.  
Miss California—A rich salmon pink.  
Austin Frederick—Color a true lavender.  
King White.  
Beatall—Pale cerise.  
Beauty—Blush pink.  
Commander Godsall—Large navy blue.  
Elegance—Blush lilac.  
Good Cheer—Deep Begonia rose.  
Orange Picture—Sunproof orange.  
Pinkie—Large rose pink.  
Powerscout—Large lavender.  
Superfine—Cream suffused salmon.  
Finest Mixed.  
  
Thunbergia, or Black-Eyed Susan.  
Tritoma (Torch Lily, Flame Flower, Red Hot Poker).  
Vinca, Mixed.

For Lawns, use  
**VIGORO**

**VERBENA**

**NEW MAMMOTH.** Individual flowers are larger than a silver quarter. Unsurpassed for profusion of bloom. Fancy mixed.

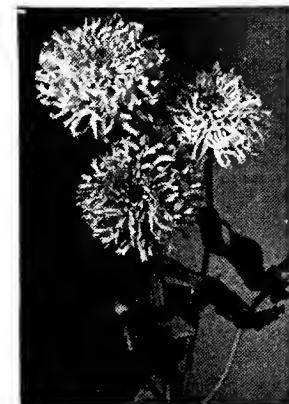
**BEAUTY OF OXFORD.** A free flowering, very hardy annual. Excellent for bedding and edgings. Of creeping habit with dark green foliage. Many clusters of large star-shaped flowers, with round lobed petals. Bloom from June until frost.

**SNAROL with Metaldehyde as an Attractant**

Kills cutworms, sowbugs, snails, grasshoppers, etc. A ready-prepared bait meal. Is not injurious to vegetation. Will not deteriorate from rain or sprinkling. 1½-lb. package, 35c; 4-lb. package, 85c.

**ZINNIA**

Deserves a prominent place in every garden. Plant forms handsome bushes, which produce hundreds of large double flowers all summer and fall. Zinnias should be transplanted when they are 4 or 5 inches high, planting 6 or 8 inches apart in the row. Keep well watered if you want large flowers.



**FANTASY CHRYSANTHEMUM FLOW-ERED.** The well rounded, medium sized flowers which are borne on long slender stems well above the foliage are composed of a mass of shaggy, twisted tubular petals which give the blooms a rather charming appearance. The color range includes red and orange, as well as many fine pastel shades of pink and cream.

**TALL DOUBLE.** All colors mixed.

**NEW GIANT FLOWERING.** A well balanced mixture of all colors make a gorgeous showing.

**GIANT FLOWERING WHITE.**

**GIANT FLOWERING CRIMSON.**

**GIANT FLOWERING BLACK KNIGHT.**

**GIANT FLOWERING VIOLET.**

**GIANT FLOWERING YELLOW.**

**ZINNIA COLLECTION.** 1 pkt. of each of the above five colors, 40c.

**DOUBLE LILIPUT.** A fine mixture of dwarf double zinnias.

**STIM-U-PLANT**

See page 34.

**GIANT DAHLIA-FLOWERED DOUBLE ZINNIAS**

Come in a rich assortment of colors. This year even though it was hot and dry, everyone having zinnias picked a lot of beautiful bouquets. This strain we feature is the best we have ever seen.

**GOLDEN WEST.** A fine shade of golden yellow.

**PURPLE PRINCE.** Rich shade of royal purple.

**DAYBREAK.** Bright orange scarlet.

**GLORIA.** Delicate reddish rose.

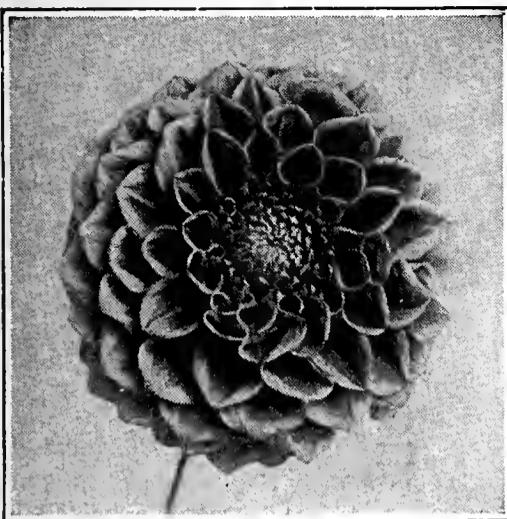
**ENCHANTRESS.** Rich shade of red.

**SENSATION.** Orange scarlet.

**DAHLIA FLOWERED ASSORTMENT.** Six kinds. One each of the above six Giant Dahlia-Flowered Double Varieties, 40c, postpaid.

**MIXED COLOR.** Finest mixed Dahlia-Flowered Double Zinnias. This is a mixture of red, yellow, orange, purple and rose.

# SUMMER FLOWERING BULBS



Dahlia

## DECORATIVE DAHLIAS

Please Bear in Mind—We offer only high test Exhibition Variety Tubers, such as have been duly tested and grown by us, and are true to name and color.

**JANE COWL** (Dec.). Bronzy buff and old gold, darker towards center. Each, 25c; dozen, \$2.50.

**MARG. WOODROW WILSON**, D. Monster cream, reverse phlox-pink. Each, 25c; dozen, \$2.50.

**BASHFUL GIANT**. A gigantic bloom. Apricot with golden shadings. Each, 25c; dozen, \$2.50.

**MRS. I. DE VER WARNER** (Marean). A blossom of soft orchid coloring. Each, 25c; dozen, \$2.50.

**PRIDE OF CALIFORNIA**. Color crimson red with dark full center. Each, 25c; dozen, \$2.50.

**KATHLEEN NORRIS** (F. D.). Greatest pink decorative Dahlia in commerce today; true rose pink, later deepening to mellow pink, but paler in young central petals. Broad overlapping petals with twisted ends, filled to center. Great bloomer and excellent keeper. Each, 25c; dozen, \$2.50.

**JERSEY'S BEAUTY** (Decorative). A true, pure pink. Each, 20c; dozen, \$2.00. **JEAN KERR** (Decorative). Pure white of fine form; a profuse bloomer on stiff stems; the best commercial white. Each, 25c; dozen, \$2.50.

## GLADIOLI

**BETTY NUTHALL**. One of the finest of the newer varieties; large light salmon with pale yellow throat and light feathering of carmine. 4c each; 35c dozen; \$2.50 hundred.

**MR. W. H. PHIPPS**. "La France" pink overlaid with light rose-salmon, lighter towards center with speckled ruby throat markings. 4c each; 35c dozen; \$2.50 hundred.

**GOLDEN DREAM**. Pure yellow. A leader in the class of yellow Gladioli. A beautiful variety. 3c each; 30c dozen; \$2.25 hundred.

**CHICAGO WHITE**. A fine white variety with lavender stripes on lower petals. 3c each; 35c dozen; \$2.25 hundred.

**VIRGINIA**. One of the most popular commercial reds. Its earliness and fine forcing qualities as well as the lasting brilliancy of the flowers have created for it a well deserved popularity. 4c each; 35c dozen; \$2.50 hundred.

**GIANT NYMPH**. "La France" pink, creamy yellow throat. Large flowers well placed. 3c each; 35c dozen; \$2.50 hundred.

## FREE GIFTS WITH YOUR GARDEN OR FLOWER SEED ORDER

**GLADIOLUS**. We are offering you 5 bulbs FREE, your selection, on your \$1.50 garden and flower seed order. If your garden and flower seed order totals \$2.00 we will include in addition to the 5 bulbs, 1 packet of the new beautiful Dixie Sunshine Marigold.



Caladium Esculentum—Elephant's Ear

## CANNAS

Ready March 1 to June 1.  
**KING HUMBERT**. The Royal Red Canna. Height 5 feet. 10c each; 3 for 25c.

**THE PRESIDENT**. 4 feet; in color a rich glowing scarlet. 10c each; 3 for 25c.

**YELLOW HUMBERT**. Fine yellow, spotted with red. Height 4 feet. 10c each; 3 for 25c.

**ALL COLORS**. Mixed, dormant. 10c each; 2 for 15c; 85c dozen. Postpaid.

## ALL BULBS POSTPAID

## BEDDING PLANTS

Can Be Shipped by Express or Bus.  
Not Prepaid.

Plants out of 2½-inch pots or flats. 10c each or \$1.00 per dozen.

Plants out of 4-inch pots. 20c each or \$2.00 per dozen.

**ALYSSUM**. White, for porch boxes.

**COLEUS**. All bedding varieties.

**CHRYSANTHEMUMS**. In all colors.

**FUCHSIA**. Assorted. 25c and 50c each.

**FEVERFEW**. Thrifty, strong plants.

**GERANIUMS**. Out of 4-inch pots only. Double or single. All colors; 20c each; \$2.00 dozen.

**HELIOTROPE**. Out of 4-inch pots only. Purple or white.

**PANSIES**. Large, imported varieties, in bloom. 50c dozen.

**PANSIES**. Seed bed plants, not in bloom. 25c dozen.

**PARLOR IVY**. Excellent plants.

**SALVIA** or **SCARLET SAGE**. Large, flowering.

**CANNAS**. Growing plants, assorted. 20c each; \$2.00 dozen.

**CALADIUM**. Growing plants, 5-inch pots. 50c each.

**CHINESE GIANT ASTER**. Per dozen plants, 50c.

**GROWING FERNS**. For porch boxes and hanging baskets; 2½-inch pot size. 10c each; \$1.00 dozen.

## HYACINTHS, TULIPS and CROCUS

For fall planting. Ready September 1. Send for fall bulb list.

**WATER HYACINTHS**, 10c. The most useful of all Aquatics for goldfish to spawn on. (Postage additional on less than 10 plants.) 10 plants, \$1.00, postpaid in the United States.

**STIM**  **PLANT**

See page 34.

# Hardy Garden Lilies

## Beautiful and Permanent

Lilies are becoming increasingly popular and may be grown successfully by any gardener. They bring charm to the garden quite different from that of any other flower. You may have cool whites, rich yellows and dazzling scarlets. Lilies may be had in bloom from early summer until fall by proper selection.

Plant Lilies informally in clumps or large masses. Place the bulbs 4 to 8 inches deep (depending upon variety and size of bulbs), with a handful of sand around each one. If the soil is well enriched, so much the better for the size and beauty of the flower. A well drained deep soil gives the best results. Bone meal is the best fertilizer.

Some Lilies produce large bulbs, such as Auratum and Rubrum, whereas many others will never make such a large bulb, as for example the Pardalinum and Tenuifolium.

## The New Wonder Lily—Everblooming

**PHILIPPINENSE FORMOSANUM.** A very graceful hardy Lily with long, wide-mouthed, trumpet-like flowers; pure white with a beautiful pale emerald-green throat. Very fragrant. They commence blooming in early August and continue to flower until frost. Plant 4 inches deep in well drained, sandy soil. 3 to 4 feet high. 25c each; 3 for 65c; doz., \$2.35.

## The Best Varieties

**LILIMUM AURATUM** (The Gold-Banded Lily of Japan). Considered the most beautiful of all the Lily family. Excellent for cut flowers, blooming in July and August. Very large flowers, pure white, dotted with crimson, while through the center of each petal runs a golden band. Of delicious fragrance; 3 to 5 feet tall and will bear up to twenty flowers. Succeeds best in open, porous soil, not in rich humus. Plant the bulbs very deep. 30c each; \$3.00 per doz.

**LILIMUM HANSONI.** The flowers are a deep orange-yellow shade, spotted brown. It grows three to four feet high, blooming during the latter part of June. Although perfectly hardy, the bulbs which should be planted six to eight inches deep, require a covering of straw or boughs of trees to keep them from starting into growth too early. Plant in semi-shade. Price 30c each; \$3.00 doz.

**L. HENRYI** (Yellow Speciosum Lily). Large branching heads of beautiful bright orange-yellow flowers with recurved petals. Hardy, easy to grow and a free bloomer. 5 to 6 feet. August-September. Cover 7 to 8 inches. Large bulbs, 30c each; 3 for 75c; \$2.75 per doz.

**L. TIGRINUM SPLENDENS** (The Single Tiger Lily). An improved form of the old well known Tiger Lily. Bright orange-red with black spots and red anthers. Very showy. Blooms August and September. 3 to 5 feet. 20c each; \$2.00 per doz.



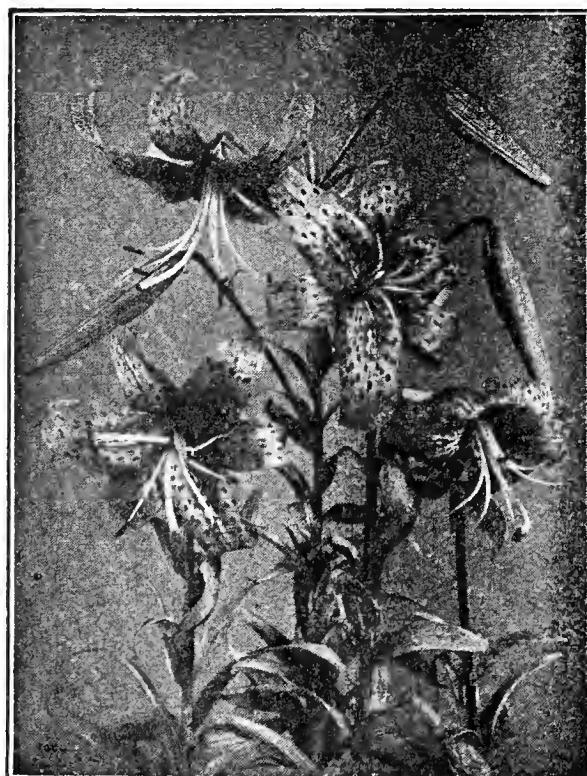
New Wonder Lily

**LILUM BATEMANNIAE.** One of the most beautiful of all lilies, its clear apricot coloring being so attractive it draws instant attention. The flowers are three to four inches in diameter, opening in August. Very hardy and easy of culture, three to four feet tall. 30c each; \$3.00 doz.

**THE REGAL LILY.** This fine variety from Western China is admittedly one of the most beautiful Garden Lilies yet introduced. It grows 3 to 5 feet high, and blooms out-of-doors in July, continuing its glorious display well into August. It is perfectly hardy, and flourishes under very varied conditions. 15c each; \$1.50 doz.



Regal



Tiger Lily

**Flowers—Vivid in Color, Healthy, Strong Stems.** Flowers lacking in color . . . blooms sparse and poorly formed . . . stems spindly . . . foliage scant and faded. These are sure signs of starvation. Your flowers need a square meal—a complete plant food—Vigoro. It supplies each of the essential elements required for healthy plants and abundant, colorful flowers.

## AMARYLLIS

**GIANT HYBRID.** Strong bulbs throwing vigorous stems with from three to six blooms of perfect form, ranging in color from varied markings of rose to self colors of scarlet, crimson and almost maroon. Mixed colors only. Each, 50c.

**WHITE GIANT AMARYLLIS.** Flowers often 10 inches in diameter, pure white, without markings of any kind, frequently 6 flowers on a single stem. Each, 20c; \$2.00 doz.

**JOHNSONII.** Has immense trumpet-shaped flowers, which measure 6 to 8 inches across, are borne on strong fleshy spikes, and are rich, deep velvety crimson, each petal having a broad white stripe contrasting beautifully with the deep red color. Each, 35c; doz., \$3.50.

**EQUESTRE.** Orange Scarlet. Each, 25c; doz., \$2.50.

**STIM U PLANT**

See Page 34.

# INSECTICIDES and FUNGICIDES

**ANSUL** (Formaldehyde) DUST. 1 lb., 50c; 5 lbs., \$1.50.



**ANTROL FLEA POWDER** (A New Formula). (Non poisonous.) Guaranteed to be the fastest killing flea powder. Harmless to pets or humans, but deadly to fleas, lice and similar parasites. Kills fleas in less than 15 minutes and its action continues for at least 24 hours. 2-oz. can, 25c; 12-oz. can, \$1.00.

**ARSENATE OF LEAD.** (Powdered.) Controls practically all leaf-eating insects in an efficient manner. Used either for dusting or spraying. 1 to 1½ lbs. diluted to 50 gallons of water if used as a spray. 1-lb. can, 35c.

**ARSENIC, WHITE.** For grasshopper bait. 1 lb., 25c; 5 lbs., \$1.00.

**BEA BRAND FLEA POWDER.** ¾ oz., 10c; 2 oz., 25c.

**BLACK LEAF 40.** Highly recommended by most of the U. S. Experimental Stations as a spray for soft-bodied or sucking insects. Directions on package must be carefully followed, and Black Leaf 40 can be used as a spray only. 1-oz. bottle, 35c; 5-oz. bottle, \$1.00; 1-lb. bottle, \$2.25.

**BORDEAUX MIXTURE.** Much used to cure and prevent mildew, blight, black rot, leaf curl or other fungoid diseases on fruits and plants. Can be applied dry or wet. 1 lb. will make 5 gallons of liquid. Lb., 35c.

**CHICKWEED KILLER.** Ask for circular. Lb., 10c.

**COMMERCIAL SULPHUR.** Lb., 5c; 25 lbs. for \$1.00; 100 lbs., \$3.00.

**COPPER SULPHATE** (White Vitrol Flakes). 1 lb., 10c; 10 lbs., 9c per lb.

**COPPER SULPHATE or BLUE-STONE.** Lb., 10c.

**CUPROCIDE "54."** For control of blight on Tomato. 3-lb. bag, \$1.11.

**FISH OIL SOAP.** A non-poisonous soap to be diluted with water to kill soft-bodied insects, such as aphids, red spiders, thrips, etc. 1-lb. can, 30c.

**FLOWERS OF SULPHUR.** Lb., 15c; 10 lbs., \$1.00.

**GARDEN AND LAWN FERTILIZER.** 25 lbs., \$1.00; 50 lbs., \$1.75; 100 lbs., \$3.00.

**GREEN BAMBOO CANE STAKES.** 3 and 4-ft. sizes, for tying up flowering plants. Ask for prices.

**GREENHOUSE GLAZING PUTTY.** Ask for prices.

**LIME AND SULPHUR.** Standard remedy for scale and certain fungus. Use one part to nine parts of water. Not a poison; kills only by direct contact with the insect. For fall, winter and spring use. Gal., 60c; 5 gals., \$2.50; 10 gals., \$4.50; bbl. lots special prices.

**LIME-SULPHUR, DRY.** Exactly like Lime and Sulphur. For fall and spring sprayings. Use 12 to 15 lbs. to 50 gallons of water. Lb., 35c; 5 lbs., \$1.40.

**LORO.** For Chrysanthemum Midge. Pt., \$2.00; gal., \$9.75.

**MASH NIC.** For the extermination of Poultry Roundworm. 2 lbs., 50c; 10 lbs., \$1.50.

**NEW EVER GREEN.** A non-poisonous spray, effective against all kinds of injurious beetles, aphids, worms, cutworms. Will not injure any plant. Dilute with 100 to 800 parts of water. Directions with every package. 1-oz. bottle, 35c.

**OIL EMULSION.** Bbl. lots only; ask for prices.

**PARADICHLOROBENZENE.** (For Peach Tree Borer.) Lb., 25c.

**P. D. HOUSE SPRAY.** All size containers; ask for prices.

**P. D. STOCK SPRAY.** Gal., \$1.00.

**POTTASSI SULPHURATED.** Oz., 15c.

**RED ARROW.** An effective, non-poisonous solution that is deadly to all insects. Will not burn, blight, or stain the most tender foliage.

May be safely used on all fruits and vegetables. Dilute with 200 to 800 parts of water. Full instructions with every bottle. 1-oz. glass, 40c; 4-oz. glass, \$1.25; 1-pt. glass, \$2.75.

**SHEPS PLANT SPRAY.** You run no risk in purchasing it, because it is absolutely non-poisonous to human beings, birds, animals or plants, but sure death to most insects. Use according to directions and you will see results in twenty-four hours or we will cheerfully refund your money. 1½-oz. bottle, 25c; 8-oz. bottle, 75c; 16-oz. bottle, \$1.50.

**SLUG SHOT.** A fine reddish dust harmless to plants, but powerfully effective against all kinds of worms, beetles and bugs, besides being a splendid fungicide.

**SNAROL.** Kills cut-worms, sowbugs, snails, grasshoppers, etc. A ready-prepared bait meal. Is not injurious to vegetation. Will not deteriorate from rain or sprinkling. 1½-lb. package, 35c; 4-lb. package, 85c.



**SODIUM CHLORATE.** For killing Bindweed. Ask for prices.

**SPRAYERS** of all descriptions. Ask for prices.

**STIM-U-PLANT TABLETS.** A fertilizer in tablet form. The tablets contain the essential plant foods in highly concentrated form and are therefore very convenient for house use. Package, small size, 30 tablets, 25c; medium size, 100 tablets, 75c; large size (pail), 1000 tablets (enough for season's supply for medium sized garden), \$3.50. Keeps Lawns Fresh and Green.

**SULPHATE OF IRON.** For killing weeds and dandelions without injury to grass. 5 lbs., 45c.

**SUPER PHOSPHATE (20% Available).** Bone phosphate the most available form. Used on grain crops and others requiring an excessive amount of phosphoric acid. 1 lb., 10c; 12 lbs., 60c, not prepaid.

**SWEENEY'S POISON WHEAT.** For exterminating rats, mice, moles and gophers. 15c box.

**TERRO.** A sure cure for ants. 25c and 50c bottles.

**TERRO ROACH OR RAT KILLER.** 35c each.

**3-PLY COTTON TWINE.** Lb., 35c.

**TREE TANGLEFOOT.** A paste preparation painted around trunk of tree to keep caterpillars, etc., from crawling into tree. 1-lb. can, 60c.

**TOBACCO DUST.** Finely ground for dusting. 1 lb., 10c; 2 lbs., 15c.

**TOBACCO DUST (Gold Leaf).** For Poultry Roundworm. Lb., 10c; 2 lbs., 15c.

**VIGORO.** A valuable general fertilizer, good for house plants, lawns, flowers, vegetables, shrubs and trees. Vigoro is easily applied and each package contains full directions on how to use it.

**VOLCK.** Spray for the control of red spider, mealy bug, scale, thrips, white fly, aphids and rose mildew. Combines with nicotine and lead arsenate. Qt., 80c; gal., \$2.50; 5 gals., \$8.00; 14 gals., \$27.50.

Insecticides cannot be sent through the mail. Prices on Insecticides and Fertilizers are at our store only.

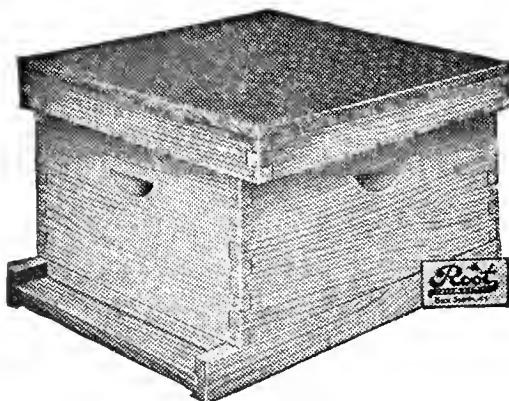


**CYANOGEN**, a Dust. Rats, Moles, Woodchucks. Cyanogen is not a bait! It is different! Simply pump it into the rat burrows or mole runways—for woodchucks a heaping tablespoonful placed in the burrow is sufficient. Cyanogen seeks the pests and kills them instantly. ½ lb., 45c; 1 lb., 75c; 5 lbs., \$3.00; 10 lbs., \$5.00; 25 lbs., \$10.00; 100 lbs., \$30.00.

**DUTOX.** For the extermination of Bean, Cucumber, Muskmelon and Watermelon Beetle. Lb., 25c.

**EROSIONET.** For weak lawns and stubborn terraces. 10c yard.

"43." For the tree. Liquid or paste. Lb. can, 25c.



Ten-Frame Metal Covered Hive

## BEE SUPPLIES

If you live in the suburbs, or on a farm, keep a few stands of bees; they will amply repay you for the little attention they require, and will often return you a splendid profit.

We handle a full line of the I. A. Root Co. Bee Supplies. The standard of the world. Write for our Bee Supply Catalog.

You will be interested in this new catalog because you naturally are interested in making your beekeeping profitable. It offers a complete line of high quality supplies for profitable beekeeping.



Standard Smoker

# VIGORO

*Specially prepared plant food*

### PRICES

1-lb. pkg. ....	\$0.10	Not Prepaid	
5-lb. pkg. ....	.45	25-lb. bag .....	\$1.50
10-lb. pkg. ....	.85	50-lb. bag .....	2.50

VIGORO supplies just what is needed to produce a beautiful lawn, flowers, shrubbery and trees. It is a highly concentrated plant food, and must be applied according to instructions. Excessive applications, or too much applied in one spot, is not only wasteful but will "burn" the plants.

Dimensions of Ground	Rate of Application per 100 Square Feet	Amt. Necessary for One Application
20x 50 ft.	2 lbs. (equal 1 qt.)	25 lbs.
20x 50 ft.	4 lbs. (equal 2 qt.)	50 lbs.
50x100 ft.	2 lbs. (equal 1 qt.)	100 lbs.
50x100 ft.	4 lbs. (equal 2 qt.)	200 lbs.

Full directions for applying VIGORO are contained in the Home Beautiful booklet, a copy of which is enclosed in every bag of VIGORO. This booklet also gives valuable information on making a lawn, growing shrubbery, flowers, vegetables and trees.

## FERTILIZERS

To produce large crops of the best quality vegetables, you must, above all, plant good seed to start with, and in addition to this use a sufficient amount of fertilizer to provide the proper amount of plant food necessary for healthy growth.

**AMMONIA SULPHATE.** For stimulating a rapid growth and large leaf development. 1 lb., 10c; 10 lbs., 50c; 25 lbs., \$1.00; 100 lbs., \$3.00.

**ATLACIDE or CALCIUM CHLORATE.** Kills Poison Ivy and all vegetation to which it is applied. Lb., 20c; \$15.00 per 100.

**ALUMINUM SULPHATE.** The proper fertilizer for Rhododendrons or Azaleas. Creates the necessary acid condition of the soil. 1 lb., 20c; 5 lbs., 65c; 10 lbs., \$1.00.

**BONE MEAL.** A good all-around fertilizer, especially good around Roses and other flowers. 25 lbs., \$1.00; 50 lbs., \$1.75; 100 lbs., \$3.00.

**LIME (Hydrated).** For lawn and field use where the ground has become sour. 50 lbs., \$1.00; 100 lbs., \$2.00.

**MURIATE OF POTASH.** Good for root crops. 25 lbs., \$1.85; 100 lbs., \$4.50.

**NITRATE OF SODA.** Supplies nitrogen to soil; very active. Should be applied with a filler or as a liquid. 5 lbs., 50c; 10 lbs., 90c; 100 lbs., \$4.50.

**PEAT MOSS.** A moisture retaining humus. Good for breaking up hard clay soils and to prevent hard top crusting. Bushel size, 50c; 3-bushel size, \$1.00; large bales, \$3.00, about 150 pounds.

**PULVERIZED SHEEP MANURE.** Useful for lawns, vegetables, flowers, shrubs and trees. Will not burn foliage. 50-lb. bag, \$1.50; 100-lb. bag, \$2.50.

## FLOWER POTS

Measure across top. Saucers one-half price of pots.

F. O. B. Our Store.

### POTS ONLY.

Size	Each	Doz.
2½ in.	\$0.03	\$0.25
3 in.	.04	.35
4 in.	.05	.50
5 in.	.10	.75
6 in.	.15	1.25
7 in.	.20	2.00
8 in.	.30	2.75
9 in.	.40	4.00
10 in.	.60	6.00
12 in.	1.00	10.00



## Plant Food in Tablet Form



Feed your house plants, roses, flowers, shrubs, vegetables, the modern way—with Stim-U-Plant. Clean and odorless, absolutely reliable. Prices: 10 tablets, 10c; 30 tabs. 25c; 100 tabs. 75c; 500 tabs. \$2.50; 1000 tabs. \$3.50.



**STIM U PLANT**

## HOTKAPS

PROTECT CROPS AND PAY PREMIUM PROFITS



HOTKAPS eliminate weather and insect damage. These patented wax paper cones form miniature hot houses over each plant, promote sturdy growth and bring crops to maturity 2 to 3 weeks earlier. Thousands of farmers are getting premium prices, making big money every year by using HOTKAPS. Inexpensive to buy. Easy to set out. One man can place 2000 or more per day.

Prices: 1000 for \$10.25; 250 package with Setter and Tamper, \$3.85; 100 package with Setter and Tamper, \$2.65; Hotkap Home Garden package, 50c; Steel Setter, \$1.50; Garden Setter, 50c; Tamper, 25c. Postage extra.

## CHRISTMAS and HOLIDAY—STREET and STORE DECORATIONS

The Ozark Mountain Wreathing is manufactured by us in two grades, the medium weighs 12 to 15 lbs. to the coil of 20 yards and the heavy weighs from 25 to 30 lbs. to the coil of 20 yards. This material is harvested by us in the Ozarks woods, brought to our establishment in trucks and wound by machine on wire or cord core.

Springfield's Telegraph Florist. Flowers delivered anywhere; 100% value guaranteed. CITY PHONE 21; Long Distance Private Wire, L. D. 4. Greenhouse and Floral Supplies. MAY WE SERVE AND PLEASE YOU?

## SPRINGFIELD SEED CO.'S MEXICAN CHILI POWDER IS PAR EXCELLENT



Full Directions, "How to Make Good Chili," Mexican Style, On Every Can.

Containing ground spices, chili pepper, Mexican sage, comino, celery, garlic, etc.

½-lb. sealed can, metal bottom and top.....	\$0.25
1-pound sealed can, per lb.....	.35
5-pound sealed can, per lb.....	.30
10-pound lots, per lb.....	.25
25-pound lots, per lb.....	.22
50-pound lots, per lb.....	.21
100-pound lots, per lb.....	.20
230-pound lots (original barrel), lb.....	.19
Barbecue Spice, ½-lb. can.....	.25

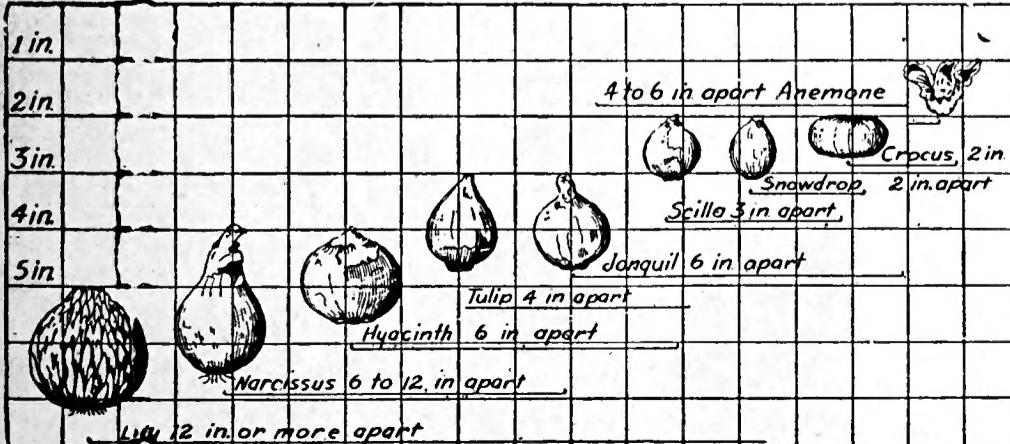
Not postpaid.

## WIRE HANGING BASKETS—FOR FERNS

8-inch diameter .....	Each \$0.20
10-inch diameter .....	.30
12-inch diameter .....	.40
14-inch diameter .....	.50

Add 10c each for postage.

Moss for the above baskets, 25c lb., postpaid. It takes 1 to 1½ lbs. per basket.



PERFECTION DOG FOOD—Feeds the Champion.

CHILI SUPPLIES  
STRICTLY FRESH—NEW CROP.

	Oz.	Lb.
Comino .....	\$0.10	\$0.30
Chili Pepper Pods.....		.30
Chiline, Ground .....	.10	.35
Mexican Chili Powder Mixture.....	.10	.35
Chili Petine Pods.....	.15	.75
Oregano or Mexican Sage.....	.10	.25
Garden Sage.....	.10	.20
Japanese Pepper .....	.10	.35
Mexican Garlic .....	.05	.25
Chili Beans .....		Ask for Price
Pepper, Cayenne, Red Hot.....		.35
Pepper, ground, black, in bulk.....		.20
Paprika .....	.40	
Chili Pepper Pods (5 lbs., 25c).....		.30
Chili Petine Pods, Red Hot.....		.75
New Sage for Sausage (whole).....		.20
Caraway .....	.25	
Star Anise Seed.....	.35	
Anise Seed .....	.35	
Celery Seed .....	.40	
Poppy Seed .....	.25	
Coriander Seed .....	.25	
White Mustard Seed .....	.35	
Tumeric, Powdered .....	.40	
Dill Seed .....	.40	
Bay Leaves .....		.40

PRICES SUBJECT TO CHANGE WITHOUT NOTICE.  
Recipes for Making Mexican Dishes Sent Free on Application.  
Not postpaid.

## BIRD SEEDS, ETC.

	Lb.	
Mixed Bird Seed.....	\$0.15	
Hemp Seed .....	.15	
Canary .....	.15	
Bird Millet (recleaned).....	.10	
Sunflower Seed for Parrots.....	.10	
Cuttle Fish Bone, 2 for 5c.....	.40	
Bird Lettuce .....	Oz., .15c	.80
Bird Pepper Grass.....	Oz., 10c	.80
Bird Charcoal .....		\$0.10
Bird Biscuit (Sing Song).....		.15
Spratt's Song Restorer.....		.25
Bird Gravel .....		.15

Not postpaid.

## TREE LABELS—Painted

3½x5½ inches, copper wired.....Per 100, 50c Per M, \$2.35

## POT or GARDEN LABELS

Wooden—	Painted
4-inch .....	100 1,000
5-inch .....	\$0.40 \$1.95
6-inch .....	.45 2.20
8-inch .....	.50 2.50
10-inch .....	.75 6.50
	1.00 7.50

Postpaid.

BULBS FOR FALL PLANTING  
Autumn 1939

## DIAGRAM SHOWING DEPTH TO PLANT OUTDOORS.

Since 1896 Springfield Seed Co.'s Bulbs for Fall Planting are known for their high standard of quality.

Bulbs indoors do not require such deep planting as indicated in the diagram, being no danger from freezing and thawing to guard against.

## SPRAY CALENDAR—WHEN TO SPRAY, WHAT TO USE

Insect or Disease	Plant Attacked	What to Spray With	First Spraying
Coddling Moth	Apple, Pear	Arsenate of Lead	Just before calyx cups close.
San Jose Scale	Apple, Pear	Lime Sulphur	While trees are dormant.
Aphids	Roses and Plants	Black Leaf 40	As soon as insects appear.
Cabbage Worms	Cabbage	Arsenate of Lead or Sure Noxem	When insects appear.
Scab	Apple and Pear	Lime Sulphur	Just before blossoms open.
Potato Bugs	Potatoes	Sure Noxem and Arsenate of Lead	When bugs appear.
Leaf Curl	Peach	Lime Sulphur Solution	While trees are dormant.
Mildew	Gooseberry	Potassium Sulphide	Just as buds burst.
Worms	Gooseberry	Sure Noxem	When worms appear.
Blotch	Apple	Bordeaux Mixture	Two weeks after petals fall.
Black Rot	Grapes	Bordeaux Mixture	When buds are $\frac{1}{4}$ -inch long.
Brown Rot	Peach and Plum	Dritonic Sulphur	Just before buds open.
Mildew	Roses and Flowering Shrubs	Potassium Sulphide	As soon as infection appears.
Melon and Cucumber Beetle	Melons and Cucumbers	Tobacco Dust	As soon as plants come up.
Moles, Rats, Chinch Bugs		Cyanogas	
Insects	Shrubs and Plants	Slug Shot	When insects appear.

See Page 33.

## PLANTING GUIDE

## WEIGHTS, MEASURES AND AMOUNT OF SEED SOWN PER ACRE.

Weights per bushel differ slightly in different states. These weights are approximately correct both per bushel and per acre.

	Lbs. per acre bu.	Lbs. per bu.	Time of Seeding		Lbs. per acre bu.	Lbs. per bu.	Time of Seeding
Alfalfa, broadcast	18- 22	60	Feb.-May	Aug.-Sept.	Johnson Grass	25- 30	25 Apr.-June
Alfalfa, drilled	14- 17	60	Feb.-May	Aug.-Sept.	Kaffir, drills	12- 15	50 May-July
Alfalfa, Grimm	20- 25	60	Feb.-May	Aug.-Sept.	Kaffir, broadcast	50- 60	50 May-July
Atlas Sorgo	8- 12	50	May-July		Lawn Grass	60-100	20 Apr.-May Aug.-Sept.
Barley	95-110	48	Apr.-June	Aug.-Sept.	Lespedeza	15- 20	25 Mar.-May
Beans, in hills	20- 35	60	Apr.-June		Millet, German, for hay	20- 30	50 Apr.-June
Bermuda Grass	4- 6	40	May-June		Millet, German, for seed	25	50 Apr.-June
Black Medic, drills	14- 17	60	Feb.-May		Millet, Hog	12- 15	50 Apr.-May
Black Medic, broadcast	18- 22	60	Feb.-May		Millet, Hungarian, for hay	40	48 Apr.-May
Blue Grass, Ky., pasture	20- 30	14	Feb.-May		Millet, Hungarian, for seed	25	48 Apr.-May
Blue Grass, Ky., lawns	60-100	14	Mar.-June		Millet, Japanese	15	35 Apr.-May
Blue Grass, Canada, pasture	14- 20	14	Mar.-June		Milo Maize	40- 50	50 May-July
Blue Grass, Canada, lawns	60-100	14	Mar.-June		Mung Beans, drills	3- 5	60 Apr.-June
Brome Grass, for hay	18- 20	14	Mar.-June		Mung Beans, broadcast	15- 20	60 Apr.-June
Brome Grass, pasture	20- 25	14	Mar.-June		Oats	48- 70	32 Mar.-May
Broom Corn	5- 8	48	Apr.-June		Oat Grass, Tall	30	14 Mar.-May
Buckwheat	60- 70	52	May-June		Onion Plants	40,000-50,000	Mar.-May
Bur Clover	12- 15	60	Feb.-May		Onion Set	8 bu.	32 Mar.-May
Canary Grass, Reeds, in rows	2- 3	48	Mar.-May		Onion Seed, for sets	40- 80 lbs.	32 Mar.-May
Canary Grass, Reeds, br'dcast	7- 10	48	Mar.-May		Orchard Grass, hay	21- 28	14 Feb.-May
Cane, forage, broadcast	75-100	50	May-July		Orchard Grass, seed	10- 14	14 Feb.-May
Cane, seed or syrup	8- 10	50	May-July		Peanuts	44	22 Apr.-May
Clover, Alsike	4- 8	60	May-June		Pop Corn	8- 12	56 Apr.-May
Clover, Alsike and Timothy	15- 20	45	Feb.-June		Potatoes	400	60 Mar.-May
Clover, Crimson	12- 15	50	Apr.-May		Rape, in drills	4- 5	50 Apr.-June
Clover, Hop, alone	4- 8	60	Feb.-May		Rape, broadcast	4- 8	50 Apr.-June
Clover, Hop, in mixture	2- 3	60	Feb.-May		Red Top, solid seed	7- 14	14 Feb.-June
Clover, Hubam	20- 25	60	Feb.-Apr.		Rye	55- 65	56 Apr.-June
Clover, Mam., alone	8- 12	60	Feb.-Apr.		Rye, Grass, Italian	40- 50	20 Apr.-June
Clover, Red, alone	8- 12	60	Feb.-Apr.		Rye, Grass, Perennial	40- 50	20 Apr.-June
Clover, Sweet, hulled	18- 20	60	Feb.-Apr.		Sagrain	10- 12	50 May-July
Clover, Sweet, unhulled	30- 40	30	Feb.-May		Soy Beans, drills	30- 40	60 May-Aug.
Clover, White	4- 8	60	Feb.-May		Soy Beans, broadcast	60- 80	60 May-Aug.
Corn	7- 14	56	May-June		Soy Beans, Loredo, drills	15- 20	60 Apr.-July
Corn, Silage	30- 35	56	May-June		Soy Beans, Loredo, br'dcast	30- 40	60 Apr.-July
Cow Peas, broadcast	60- 75	60	May-June		Speltz or Emmer	30- 40	40 Apr.-May
Cow Peas, drilled	15- 20	60	May-July		Sudan, drills	6- 8	40 Apr.-June
Canada Field Peas, br'dcast	60- 75	60	May-Aug.		Sudan, broadcast	20- 25	40 May-July
Canada Field Peas, with oats	30- 45	60	Apr.-May		Sunflower	20	28 May-July
Dallas Grass	10- 15	25	Feb.-Apr.		Sweet Corn, drills for fodder	75	46 May-June
Darso	40- 50	50	May-July		Sweet Corn, broadcast	150	46 May-June
Fescue, Meadow	20- 30	24	Feb.-Apr.		Timothy	7- 12	45 Apr.-June Aug.-Nov.
Fescue, other varieties	28- 35	14	Apr.-June		Timothy and Clover, Timothy	8	Apr.-June Aug.-Nov.
Feterita	40- 50	50	May-July		Timothy and Clover; Clover	4	Apr.-June Aug.-Nov.
Flax, for seed	35- 45	56	May-June		Tobacco, 1 oz. to 5,000 plants		
Grohoma	40- 50	50	May-July		Vetch, Hairy, drilled	60	60 Feb.-Mar.
Hegari, drills	15- 18	50	May-July		Vetch, Hairy, broadcast	90	60 Fall
Hegari, broadcast	50- 60	50	May-July		Vetch, Spring	60	Spring
					(plus 1 bu. small grain)	80	60

Springfield Seed Company gives no warranty, expressed or implied, as to description, quality, productiveness or any other matter, of any seeds, bulbs or plants they send out and will not be responsible for the crop.

## INDEX

GARDEN SEED							MISCELLANEOUS
Complete Garden List	12-13	Mustard	6	Barley	16	Sorgo	15
Vegetable Planting Guide	13	Okra	7	Bermuda Grass	17	Soy or Soja Beans	16
Asparagus	2-22	Onion Plants	7	Bromus Inermis	16	Sudan Grass	15-16
Beans	2-3	Onion Seed	7	Broom Corn	16	Sunflower	16
Beets	3	Onion Sets	7	Buckwheat	16	Teosinte	16
Broccoli	2	Parsley	8	Cane Seed	16	Timothy	14
Brussels Sprouts	2	Parsnip	8	Clovers	14-15-17	Velvet Beans	16
Cabbage	4	Peanuts	8	Corn, Field	14	Vetch	16
Carrots	3	Peas	9	Cow Peas	16	Wheat	16
Cauliflower	4	Pepper	8	Creeping Bent Grass	17		
Celeriac	5	Popcorn	7	Domestic Rye Grass	16	Bedding Plants	31
Celery	4	Potatoes	10	Egyptian Wheat	16	Bee Supplies	34
Chicory	5	Potatoes, Sweet	10	Feterita	16	Bird Seed	35
Chives	5	Pumpkin	8	Kaffir	16	Bulbs	31-32-35
Collards	4	Radish	9	Ky. Blue Grass	14-17	Chili Supplies	35
Corn, Sweet	5	Rhubarb or Pie Plant	9-22-27	Lawn Grass Seed	17	Christmas Decorations	35
Cress	5	Sage	22	Lespedeza	14-15	Dog Food	34
Cucumber	4	Salsify	10	Meadow rescue	14	Fertilizer	14-17-33-34
Egg Plant	5	Spinach	10	Millet	15-16	Floral Department	35
Endive	5	Squash	10	Milo Maize	16	Flower Pots	34
Garlic	5	Tobacco	10	Mung Beans	16	Flower Seeds	28 to 30
Herbs	35	Tomatoes	11	Oats	16	Greenhouse and Floral Supplies	33-34-35
Horseradish Roots	22	Turnips	11	Orchard Grass	14	Inoculant	15
Kale	5	Vegetable Plants and Roots	11	Rape	16	Insecticides	11-33-37
Kohl-rabi	5	Watermelon	7	Red Top	14	Nursery Stock	17-27
Leek	5	Planting Guide	36	Rye	16	Peat Moss	34
Lettuce	6	Alfalfa	14			Rosebushes	18-25-27
Muskmelon	6					Semesan	16

**SPRAYING****ACME****MATERIALS****Acme Rotenone Garden Guard**

Combats both sucking and chewing insects. The killing ingredient in Rotenone paralyzes the insect, causing it to immediately stop feeding. Effective both by contact and as a stomach poison. Contains no arsenic or fluorine compounds. Especially recommended on broccoli, cabbage, cauliflower, Brussels sprouts, string beans, currants, gooseberries, as well as a favorite of the housewife for dusting roses and flower gardens. The 1-pound package contains 1% Rotenone, commercial sizes  $\frac{3}{4}$  of 1%. Kills lice, fleas and mites on dogs, cats and chickens.

The only insecticide on the American market being broadcast on a coast-to-coast national hook-up.

1-lb. carton, 35c; 4-lb. bags, 75c; 25-lb. bags, \$3.25; 100-lb. bags, \$12.50.

**Acme Aphis Spray**

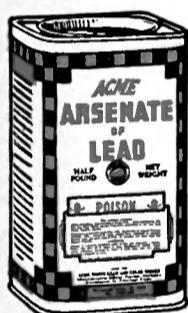
An improved nicotine spray combining a soft fish oil soap with Black Leaf 40, suitable for the control of all kinds of aphis (plant lice), thrip, leaf hopper and many more hardy insects infesting rose bushes, flowers, shrubs, vines, bushes and trees. Mixes easily with any kind of water. Complete directions found with every package.

3-oz. collapsible tube, 35c; 12-oz. collapsible tube, 95c; 2½-lb. can, \$2.25.

**Acme Arsenate of Lead**

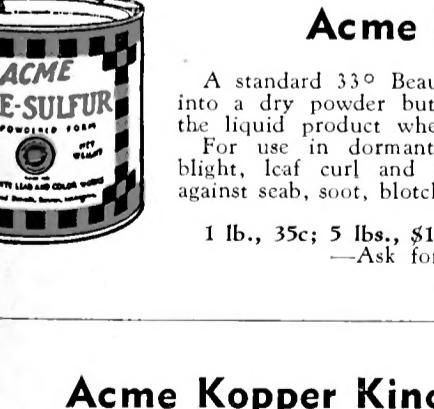
The most favored arsenical insecticide found on the American market. It is safest to use on tender foliage and sticks well on the leaves. Recommended for fruit trees, vegetables, bushes and tobacco. Can be used as dust or spray.

½-lb. package, 20c; 1-lb. package, 35c; 4-lb. bag, 75c.  
—Ask for Quantity Price—

**Acme Bordeaux Mixture**

Prevents large losses caused by blight, rot, mildew, seab, anthracnose and certain other fungous diseases. It stimulates plant growth and greatly increases the harvests. Almost every kind of vegetable, fruit and shrub can be greatly improved by the early use of Bordeaux Mixture.

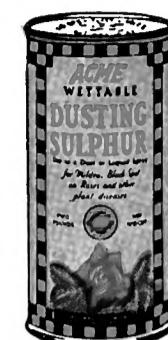
1-lb. carton, 35c; 4-lb. bag, 65c.  
—Ask for Quantity Price—

**Acme Lime-Sulfur**

A standard 33° Beaume lime and sulphur converted into a dry powder but having all the effectiveness of the liquid product when dissolved in water.

For use in dormant spraying against scale, peach blight, leaf curl and twig borer. Summer spraying against seab, soot, blotch, red spider and mite.

1 lb., 35c; 5 lbs., \$1.45; 25 lbs., \$4.00.  
—Ask for Quantity Price—

**Acme Wettable Dusting Sulphur**

(An excellent Chigger chaser)

An improved dusting sulphur for home use which can also be used as a liquid spray. Recommended to control mildew, leaf spot, black spot and rust on rose bushes, chrysanthemums, snapdragons, carnations and certain other foliage; also red spiders on evergreens. 98% passes through 325 mesh screen.

2-pound carton, 25c.

**Acme Red River Potato Mix**

A scientific development combining a new patented copper fungicide with quick-killing arsenic. Kills potato bugs quicker, drives off flea beetle and leaf hopper, prevents blight from gaining a foothold, stimulates foliage, making more and better potatoes. Complete control in one operation—at one cost. Use as a dust or spray.

1-lb. bag, 30c; 4-lb. bag, 80c.  
—Ask for Quantity Price—

**Acme Paris Green**

A rich, emerald color and of fine fluffy physical character. Containing 55% arsenious oxide, it will give quickest control where extreme measures are necessary.

For use on potatoes, cotton, tobacco, also to mix with arsenate of lead for fruit tree spraying where quick results are necessary.

¼ lb., 18c; 1 lb., 50c; 5 lbs., \$2.25; 14 lbs., \$5.00

**Acme Emo-Nix**

Most yards contain shrubbery and foliage that are more affected by scale, red spider, and certain other troublesome pests than they are by aphis. Here is a complete contact insect spray combining nicotine in its most active form with Emo, a summer oil emulsion of the highest quality. Recommended for control of aphis, mealy bugs, red spider, thrip, white flies, rust mites, mildew, certain scale insects and certain other garden pests.

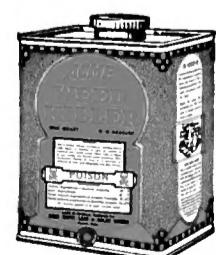
4½-oz. can, 35c; pint can, 65c; quart can, 95c; gallon can, \$2.50.

Write for prices on larger sizes.

**Acme Ant-Kill**

Rid your home and premises of the embarrassing and health injuring ant nuisance, kill the ants in the nests. Ant-Kill syrup is sold in connection with the only safety cup on the market—fully covered by U. S. patent—no tipping over when anchoring device is in place. Safe around children, birds, dogs and other valuable pets.

Junior Sets, 35c each; Cottage Sets, 60c each; Service Cups, 10c each.  
2-oz. bottle, 20c each; 3-oz. bottle, 25c each;  
½-pint bottle, 50c each; pint bottle, 75c each.

**Acme Weed Killer**

A powerful quick-acting arsenical weed killer for destroying weeds and all plant life on driveways, tennis courts, paths, etc. More widely used, however, in spotting out dandelion, plantain and other noxious weeds in the lawn by applying a few drops of undiluted Weed Killer to the crown of the plant, using a regular weed cane or a squirt bottom oil can.

Pint can, 30c; quart can, 50c; gallon can, \$1.50.  
Write for prices on larger sizes.

**Acme Kopper King**

(A Scientific Bordeaux Spray)

Kopper King is a Basic Copper Sulphate, a fungicide of revolutionary importance. It is neutral and insoluble, requiring no lime to keep it from burning. Kopper King contains 50% copper, twice as much as ordinary copper sulphate (common bluestone). Can be used either as a liquid spray or combined with a carrier in making a home-made dust.

1-lb. carton, 35c; 4-lb. bag, 80c; 25-lb. bag, \$4.75; 100-lb. bag, \$18.00.

# Acclimated to This Climate SEVERAL TIMES TRANSPLANTED

See Page 17



Ponderosa Pine

American  
Arbor-Vitae

Norway  
Spruce

Pyramidal  
Arbor-Vitae

Red Cedar

White Spruce

Globe  
Arbor-Vitae

Concolor Fir

Colorado Spruce

Trailing Juniper

Douglas Fir



*The Outdoor Living Room*

**SPRINGFIELD SEED CO.**

**SPRINGFIELD  
MISSOURI**